

**Service Manual for:** 



#### **Public Use Wheelchair Lifts**

# Series A5

#### DOT — Public Use Lift

"DOT — Public Use Lift" verifies that this platform lift meets the "public use lift" requirements of FMVSS No. 403. This lift may be installed on all vehicles appropriate for the size and weight of the lift, but must be installed on buses, school buses, and multipurpose passenger vehicles other than motor homes with a gross vehicle weight rating (GVWR) that exceeds 4,536 kg (10,000 lb).





Read manual before installing or servicing lift. Failure to do so may result in serious bodily injury and/or property damage.

33917 Rev. A February 2008 Patent #5,261,779 Patent #6,599,079
Patent #6,065,924 Patent #6,692,217

Patent #6,238,169 Patent #6,739,824

Patent #6,464,447 Patent #6,837,670 Patents Pending

#### **Congratulations**

We at The Braun Corporation wish to express our fullest appreciation on your new purchase. With you in mind, our skilled craftsmen have designed and assembled the finest lift available.

This manual provides service-related material. Refer to the FMVSS No. 403 Quick Reference Installation Sheet for installation instructions, operating instructions and maintenance procedures.

Braun Vista Series™ lifts are built for dependability and will provide years of pleasure and independence as long as the lift is installed and serviced as specified by a Braun certified technician, and the lift is operated by an instructed person.

Sincerely,

THE BRAUN CORPORATION

Hall W. OSrou

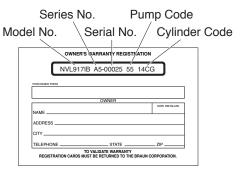
Ralph W. Braun Chief Executive Officer

#### **Warranty and Registration Instructions**

Immediately upon receiving the lift, examine the unit for any damage. Notify the carrier at once with any claims.

Two warranty/registration cards (shown right) are located in the lift-mounted manual storage pouch. The sales representative must process one of the cards. The consumer must fill out the other card and mail it to The Braun Corporation. The warranty is provided on the back cover of this manual.

The warranty cards must be processed to activate the warranty.



Sample Warranty/Registration Card

Two Braun Serial No./Series No. identification tags (shown below) are posted on the lift. One I.D. tag is posted on the opposite pump side vertical arm. A second I.D. tag is located on the opposite pump side tower. Both I.D. tags provide the product identification information provided on the warranty/registration card. Record the information in the space provided (or document on a copy). **This information must be provided when filing a warranty claim or ordering parts**.

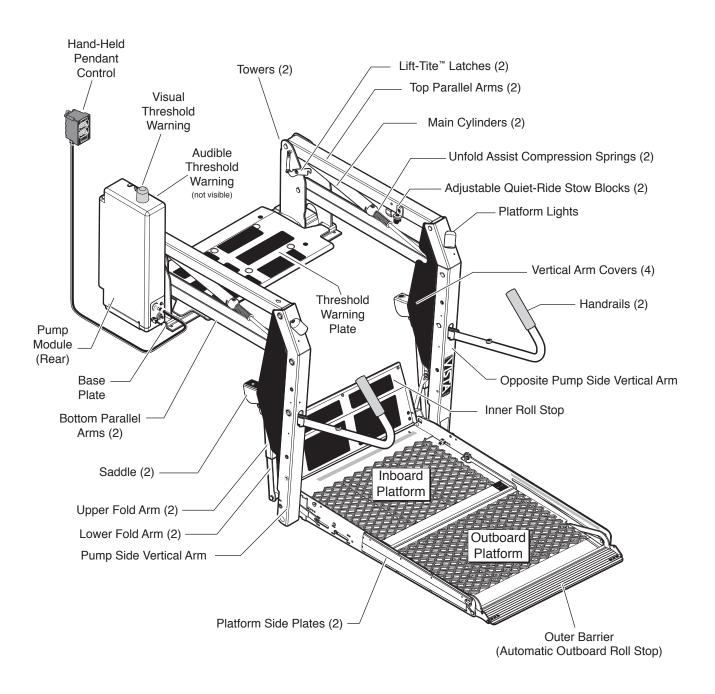
| The Braun C                                                 | ELIFT™                |  |  |  |  |  |  |
|-------------------------------------------------------------|-----------------------|--|--|--|--|--|--|
| DOT Public Use Lift MODEL#                                  |                       |  |  |  |  |  |  |
| NVL9                                                        | 17IB                  |  |  |  |  |  |  |
| Max. Lifting Capacity                                       | - 800 lbs.            |  |  |  |  |  |  |
| SERIAL N                                                    | NUMBER                |  |  |  |  |  |  |
| A5-00                                                       | 0025                  |  |  |  |  |  |  |
| PUMP CODE                                                   | CYLINDER              |  |  |  |  |  |  |
| 55                                                          | 14CG                  |  |  |  |  |  |  |
| MFG I                                                       | DATE                  |  |  |  |  |  |  |
| 09/20                                                       | 0/06                  |  |  |  |  |  |  |
| PATENT<br>PENDING- 5,261,779-6,0<br>4,447-6,599,079-6,692,2 | 65,924-6,238,169-6,46 |  |  |  |  |  |  |

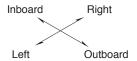
Sample Serial No./Series No. Identification Tag

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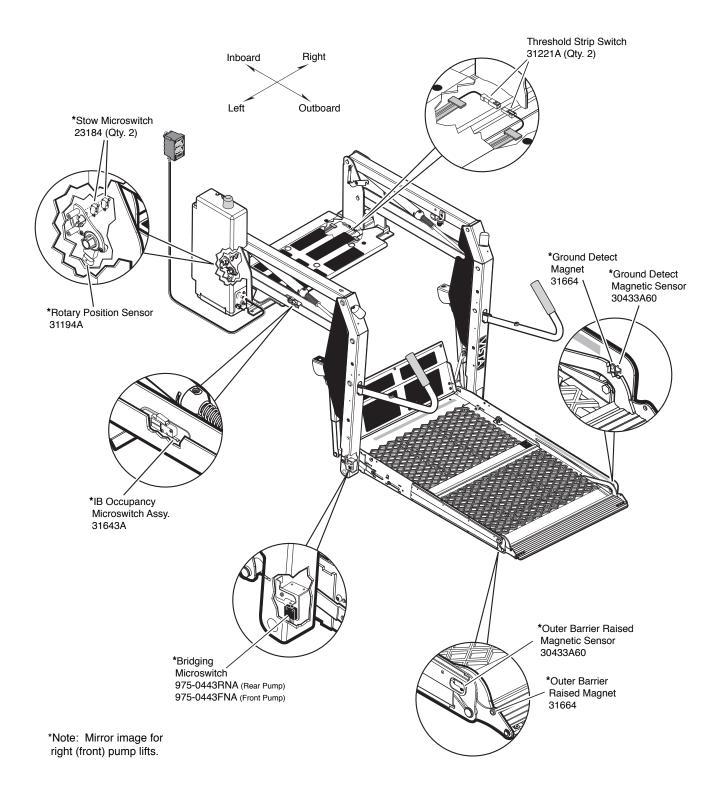
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## **Lift Terminology**





#### **Switch and Sensor Locations**



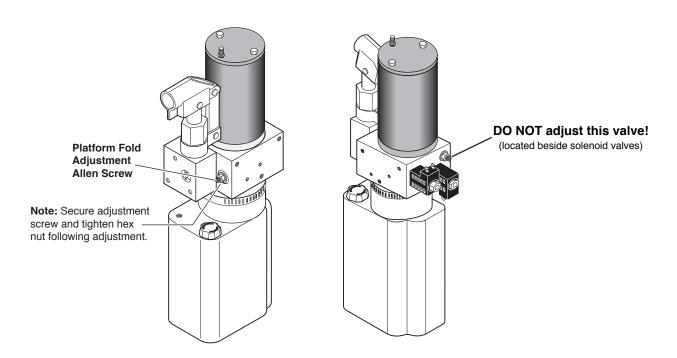
#### **Certification Checklist Diagnostic Procedures**

The following operations and conditions must be functionally verified in order for the lift to be FMVSS 403/404 compliant. If an operation does not function as described or a condition is not met, follow the referenced procedures to correct the problem or contact a Braun Corporation Product Support representative at 1-800-THE LIFT®.

- · Vehicle movement is prevented unless the lift door is closed, ensuring the lift is stowed.
  - 1. Verify on the pump module mounted interlock connector that the lift not stowed signal (pin 5) has an open signal OR lift stowed signal (pin 7) has a +12 volt signal OR (pin 9) has a ground signal (depends on interlock used).
  - 2. Refer to the interlock installation instructions.
- Lift operation shall be prevented unless the vehicle is stopped and vehicle movement is prevented.
  - 1. Verify vehicle secure signal (pin 6) has a +12 volt signal.
  - 2. Refer to the interlock installation instructions.
- The platform will not fold/stow if occupied.
  - Refer to Platform Fold Pressure Adjustment procedures.
- · The inner roll stop will not raise if occupied.
  - Call Product Support
- · The outer barrier will not raise if occupied.
  - Call Product Support
- Verify platform lighting when lift is deployed and pendant illumination when lift is powered.
  - 1. Replace bulb(s) in the light housing.
  - 2. Check fuse (5 amp fuse on circuit board; F13)
- A visual and audible warning will activate if the threshold area is occupied when the platform is at least 1" below floor level.
  - 1. Remove the threshold warning plate
  - 2. Verify the threshold strip switch connectors are connected
  - 3. Replace the threshold strip switch
  - 4. Reinstall the threshold warning plate
- Platform movement is prohibited beyond the position where the inner roll stop is fully deployed (up).
  - Call Product Support.
- Lift platform movement shall be interrupted unless the outer barrier is deployed (up).
  - Call Product Support.

#### **Platform Fold Pressure Adjustment**

- 1. Position the platform at the floor level loading position.
- 2. Loosen the hex nut on the adjustment screw (do not remove hex nut).
- 3. Turn the adjustment screw counter clockwise until the platform does not fold when the Fold button is pressed.
- 4. Turn the adjustment screw clockwise in 1/4 turn increments and press the Fold button until the platform folds completely (Note: Return the platform to floor level position after each attempt to fold the platform).
- 5. Turn the adjustment screw an additional 1/8 turn after the platform folds successfully.
- 6. Tighten the hex nut without moving the adjustment screw.
- 7. Verify the platform will not stow while occupied.



#### **Platform Angle Adjustment**

Adjusting the platform angle based on the relationship of the platform at ground level directly affects the angle of the platform when positioned at floor level.

Unfold the lift and visually examine the angle of the platform when positioned at floor level. Lower the platform fully and note the angle of the platform when it reaches ground level also. The **outboard end of the platform** (toe) **must contact the ground first** when the platform is lowered (all lift models).

#### Millennium "NL" Series:

The platform angle **should** be adjusted so there is a balance between the angle at both positions (**equal amount of angle**). **Angle A** should **equal angle B** as shown in Figure C.

# Century "NCL" Series: Vista "NVL" Series:

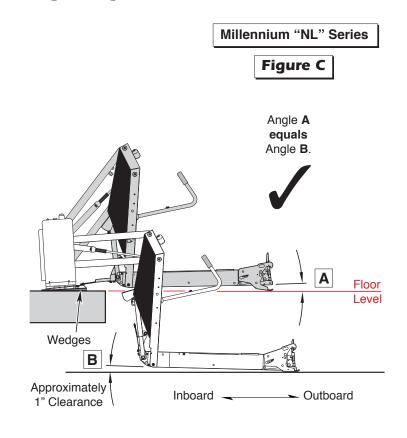
The platform angle **must** be adjusted so the outboard end of the platform (toe) is angled down slightly when positioned at floor level. See Figure D. The outboard end of the platform **must** contact the ground first to **ensure** the spring-loaded outer **barrier unfolds fully**.

**Adjustment Procedures:** Adjustment Allen screws are provided on each side of the lift platform for adjusting the platform angle. Details and photos are provided on the opposite page.

**Base Plate Wedges:** Installations where base plate wedges are used require more platform angle adjustment than normal.

Platform Stop Blocks: When adjusting platform angle, ensure both stop blocks are making full contact with the vertical arms (details on opposite page).

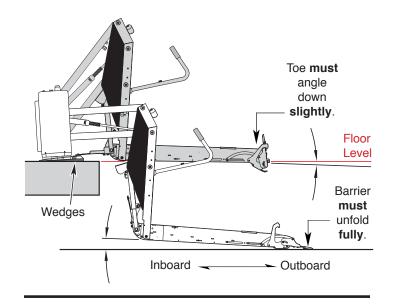
Floor Level Adjustment: Following platform angle adjustment, set floor level positioning as detailed in Platform Floor Level Adjustment (details on page 8).



Century "NCL" Series

Vista "NVL" Series

Figure D



## **Platform Angle Adjustment**

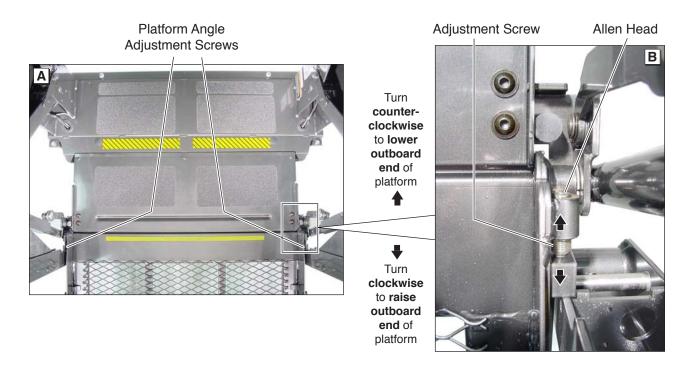
Adjustment Allen screws are provided on each side of the lift platform for adjusting the platform angle. Adjust platform angle as specified on previous page.

To raise the outboard end of platform - turn adjustment screw clockwise.

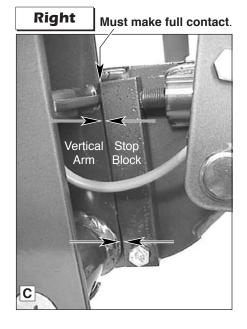
To lower the outboard end of platform - turn adjustment screw counterclockwise.

Note: Both adjustment screws must be adjusted equally.

Apply Loctite® to adjustment screws following adjustment.



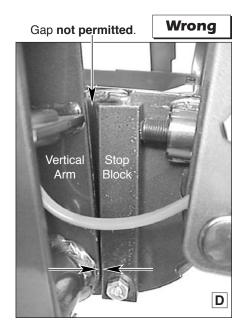
## **Platform Stop Blocks**



# Stop Block Guideline All Lift Models

Both stop blocks must make full contact with the edge of vertical arms.

When adjusting platform angle, setting floor level position or adjusting bridging microswitch - ensure both stop blocks are making full contact with the vertical arms.



## **Platform Floor Level Adjustment**

Before setting floor level position:

- Adjust platform angle as detailed on page 6.
- Ensure both stop blocks are making full contact with vertical arms (details on page 7).

#### Floor Level Adjustment:

 Position platform at desired floor level position (passenger loading/unloading height).

Position platform such that:
a. the inner roll stop is laying
flat on the threshold plate
b. platforrm has **not** begun to
fold

**Note:** Use hand pump to position platform at proper posi-

tion if unable to stop platform when powering lift.

- 2. Turn Lift Power switch Off.
- 3. Press Floor Position Set button (located between pump housing and lift tower).
- 4. While pressing the Floor Position Set button, turn the Lift Power switch On.
- Continue pressing the Floor Position Set button until the lift sounds three "beeps."
- Release the Floor Position Set button.
- Cycle lift to verify that platform stops at the set floor level position. Note: If platform does not stop at



Floor Level Set Button

the intended position - repeat adjustment procedures. If repeating procedures fails - refer to Diagnostics section below.

**Diagnostics:** Diagnostic codes have been established in event the lift platform floor position does not set (the lift does not sound three "beeps" - see Step 5 above). The control board located inside the pump hous-

ing is equipped with an LCD screen. Remove the pump cover to access the LCD screen. The following diagnostic codes will help resolve floor position setting problems:

- 91 The platform position is out of a predetermined acceptable range
- 92 The Bridging Microswitch is not activated (adjust switch or lower the platform)
- 93 The Inner Roll Stop Occupied switch is not activated (adjust switch)
- 94 The Outer Barrier Up switch is not activated (adjust switch)
- 95 The Outer Barrier Latched sensor is not activated (Century and Vista: Verify jumper is installed on the outboard barrier latch switch – see photo at right; Millennium: Check latch)







#### **Bridging Microswitch Adjustment**

Adjustment Screw

#### **Bridging Microswitch:**

The bridging microswitch is located at the bottom of the right (front) vertical arm. See Photos A and B. An adjustment screw is built into the platform stop block.

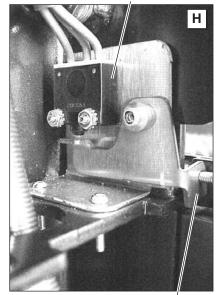
The bridging microswitch will be deactivated if the outboard end of the platform contacts the unloading surface before the inboard end while the DOWN switch is pressed.

The deactivated bridging microswitch interrupts power to the DOWN switch circuit and stops the down travel of the platform (while allowing the outer barrier to deploy).

Inboard Vertical Edge of Vertical Arm

Platform Stop Block

**Bridging Microswitch** 



Switch — Activation Lever

#### **Adjustment Guidelines:**

**Caution:** This adjustment is factory set and typically should not require adjustment.

**Before** adjusting the bridging microswitch:

- Adjust platform angle as detailed on page 6.
- Adjust floor level position as detailed on page 8.
- **Ensure** platform is in the fully unfolded position.
- Ensure both stop blocks are making full contact with vertical arms (details on page 7).

Failure to follow these guidelines will result in an overtight adjustment that will bend the adjustment screw, break the bridging switch and/or result in lift operation failure.

#### **Bridging Microswitch Adjustment**

- Position the platform at floor level (or slightly below).
   Ensure the platform is not partially folded. From the stowed position, press the UNFOLD switch until the pump stops running and the platform comes to a full stop.
   From below floor level, press the UP switch until the pump stops running and the platform comes to a full stop.
- Check both platform stop blocks to ensure there is no gap between the stop blocks and the vertical arms. See Photos B, C and D on page 7. A gap may indicate that the platform is not fully unfolded or the platform angle adjustment bolts are not adjusted equally on both sides.
- Loosen the two jam nuts on the bridging switch activation screw (see Photo G). Tighten the screw until the activation lever is fully depressed. Verify that there is no play in the activation lever and tighten the jam nuts.
- 4. Test lift for proper operation.

#### **LCD Lift Codes**

To better understand the Braun LCD Trouble shooting display you must first understand the numbers that appear on the screen. There are Flashing Codes, Solid Error Codes, and Solid Normal Operational Codes.

**Flashing Codes #65-89:** About 10 seconds after an operation has stopped there are a set of scrolling flashing numbers that indicate whenever a particular sensor or switch has been activated. These numbers will start at number 65 and scroll up to number 89, then start the sequence over. Remember they are not error codes. Keep in mind that the lift will display codes for different positions and certain flashing codes must be present for that position, you will not always get an error code.

**Solid Error Codes #50-64:** These are the numbers that will come on the screen when the audible and visual alarm goes off, and will direct you to where the problem exists. These numbers will only stay on the screen for about 10 seconds and then the flashing codes will scroll indicating what sensors are active. This sequence of codes will keep repeating. It is important to be looking at the screen when trying to get the lift to fail.

**Solid Normal Operational Codes:** There are also solid numbers that will appear while and after the lift is moving that indicate the lift operation and platform position.

#### **Troubleshooting Procedures**

- 1. While **looking** at the LCD screen, operate the lift until the failure occurs. Read the number that comes on the display the moment the alarm goes off and the light starts to flash. This code will only stay on the screen for 10 seconds.
- 2. Look up the number on the correct error code sheet and determine what part on the lift is causing the failure. Go to the part on the lift that is suspected of causing the failure and look for anything obvious like magnets missing, broken wires etc. If nothing is found, the next step is to determine if that sensor is sending a signal to the board.
- 3. Bring the platform to the level that the sensor should be activated using the backup pump if needed. At this point, look up the flashing code that corresponds to that sensor in the error code sheet, look at the LCD screen and wait for the flashing scrolling numbers to appear. If the number is not included in the scrolling numbers, you know that sensor is the problem. You should then check the harness or try another magnet with the south side of the magnet facing the sensor and see if the number will come up on the display.
- 4. If the problem is still not found or the harness is suspected, the voltages should to be checked to and from the sensor to find the exact location of the problem. First determine the 3 wire colors for this sensor at the board and understand the 3 voltage readings needed to operate the sensor, the 12V power, 8V power, and the 8V input signal to the PC board when activated by a magnet. First check for a 8V input signal coming from the sensor to the wire going into the PC board, if there is 11V on this wire, the sensor is not being activated by the magnet. Next check the 12V and 8V wires at the PC board plug leading to the sensor. Once verified at the plug on the PC board, the voltages should then be checked at the next plug down on the harness going to the sensor until the location of the problem is found.

Anytime you see the code for that specific switch you will have 8 volts on that colored wire on the 8 or 18 pin connector from that switch. IE: Outboard Barrier is closed "72" will appear on the screen and also 8V will be present on the signal wire from that switch, if no code is present the voltage will be 11V.

#### **LCD Lift Codes**

Listed below are codes that the lift controller outputs during lift operation. The codes will be displayed on an LCD screen located on the lift control board inside the pump module. See the Manual Operating Instructions in the operator's manual for pump cover removal instructions.

#### **Non-Flashing Numbers**

- 01 Platform stowed
- 02 Platform unfolding
- 03 Platform unfolding paused
- 04 Platform at floor level
- 05 Platform beginning to lower
- 06 Platform lowering (threshold cannot be occupied from this point down)
- 07 Outer barrier moving to horizontal position
- 08 Platform at ground level
- 09 Outer barrier moving to vertical position
- 10 Platform raising
- 11 Platform raising paused at floor
- 12 Platform folding (limited pressure)
- 13 Platform folding (full pressure)
- 14 Timed fold (cinching lift tite) or (anti-rattle state)
- 15 Platform folding stopped
- 16 Paused fold
- 17 Platform between ground and 3" above ground
- 18 Platform above 3"
- 19 Outer barrier moving to horizontal postion
- 23 Outer barrier going back down after occupant detected
- 28 Illegal function/not defined
- 29 Interlock fault not recognized (or has been cleared but a motion button is still pressed)
- 30 Platform location unknown
- 31 Platform location transition state; attempting to locate position
- 35 Two or more motion buttons are being pressed
- 36 The retention belt cannot be buckled while trying to fold or unfold
- 37 Motion button being pressed is not a valid motion
- 50 Outer barrier is not up above inboard barrier locked position
- 51 Threshold is occupied when platform is 1" or more below floor level
- 52 Inner rollstop is not up and locked below inner rollstop locked position
- 53 Inner rollstop occupied sensor is not activated between floor and inner rollstop up position
- 54 Outer barrier is occupied before it is up
- 55 Outer barrier is not latched when above the inner rollstop locked position (Millennium only)
- 56 Outer barrier is not up and latched and bridge switch did not deactivate

- 57 Outer barrier is not up and latched and ground detect switch did not deactivate (Century and Vista only)
- 58 Outer barrier is not up and latched and the platform is 3" above the ground
- 59 Outer barrier is not up after pausing platform travel
- 60 Verify the IB occupied switch is functioning correctly when lift is below floor level. The kickout gas springs are worn, replace before using
- 75 Low voltage detected; must turn off power switch to reset LCD
- 77 Vehicle secure interlock has not been activated
- 90 Position will be set if you keep holding the button until it beeps
- 91 Position is out of a predetermined acceptable range of floor position
- 92 Bridge switch is not made, needs adjusting
- 93 Inner rollstop occupied switch is not made, position needs to be moved or switch should be adjusted
- 94 Outer barrier is not made, fix and try again
- 95 Outer barrier latch is not made (check for jumper on Century and Vista lifts, check latch on Millennium lifts)
- 99 Controller program is not valid; replace controller

#### **Flashing Numbers**

Flashing 65 - Unfold button is pressed

Flashing 66 – Fold button is pressed

Flashing 67 – Down button is pressed

Flashing 68 – Up button is pressed

Flashing 69 – Bridge switch is activated

Flashing 70 – Outer barrier latch switch is activated

Flashing 71 – Ground detect switch is activated

Flashing 72 – Outer barrier up switch is activated

Flashing 73 - Inner rollstop up switch is activated

Flashing 74 – Inner rollstop occupied switch is activated

Flashing 76 – Outboard barrier occupied switch is activated

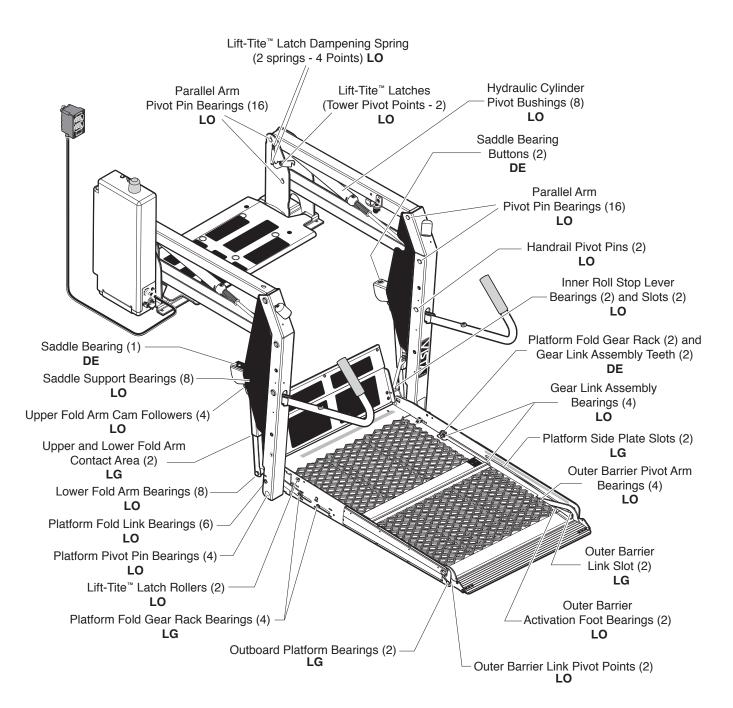
Flashing 78 - Threshold tape switch "A" is activated

Flashing 79 - Threshold tape switch "B" is activated

Flashing 80 – Position set button is pressed

#### **Maintenance and Lubrication**

#### **Lubrication Diagram**



See the Maintenance/Lubrication Schedule for recommended applications per number of cycles.

| Lubricant                                                    | Туре                                                                                                                                                     | Specified (recommended)<br>Lubricant | Available<br>Amount | Braun<br>Part No. |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------|-------------------|
| Lubricant  LO - Light Oil  DE - Door-Ease  LG - Light Grease | Light Penetrating Oil                                                                                                                                    | LPS2, General Purpose                | 11 oz.              | 15807             |
| LO - Ligiti Oii                                              | (30 weight or equival                                                                                                                                    | ent) Penetrating Oil                 | Aerosol Can         | 10007             |
| DE Door Food                                                 | Stainless Stick                                                                                                                                          | Door-Ease                            | 1.68 oz.            | 15806             |
| DE - DOOI-Ease                                               | Style (tube)                                                                                                                                             | Stick (tube)                         |                     |                   |
| I.C. Limbt Cuonne                                            | Style (tube)  Light Grease  Light Grease | 15805                                |                     |                   |
| LG - Light Grease                                            | (Multipurpose)                                                                                                                                           |                                      | Can                 | 10000             |

Proper maintenance is necessary to ensure safe, troublefree operation. Inspecting the lift for any wear, damage or other abnormal conditions should be a part of all transit agencies's daily service program. Simple inspections can detect potential problems.

The maintenance and lubrication procedures specified in this schedule **must** be performed by a Braun authorized service representative at the scheduled intervals according to the number of cycles.

Braun dual parallel arm lifts are equipped with hardened pins and self-lubricating bushings to decrease wear, provide smooth operation and extend the service life of the lift.

When servicing the lift at the recommended intervals, inspection and lubrication procedures specified in the previous sections should be repeated. Clean the components and the surrounding area before applying lubricants. LPS2 General Purpose Penetrating Oil is recommended where Light Oil is called out. Use of improper lubricants can attract dirt or other contaminants which could result in wear or damage to the components. Platform components exposed to contaminants when lowered to the ground may require extra attention.

Lift components requiring grease are lubricated during assembly procedures. When these components are replaced, grease must be applied during installation procedures. Specified lubricants are available from The Braun Corporation (part numbers provided above).

**All** listed inspection, lubrication and maintenance procedures should be repeated at "750 cycle" intervals

following the scheduled "4500 Cycles" maintenance. These intervals are a general guideline for scheduling maintenance procedures and will vary according to lift use and conditions. Lifts exposed to severe conditions (weather, environment, contamination, heavy usage, etc.) may require inspection and maintenance procedures to be performed more often than specified.

#### **AWARNING**

Maintenance and lubrication procedures must be performed as specified by an authorized service technician. Failure to do so may result in serious bodily injury and/or property damage.

**Maintenance Indicator:** The Lift Ready green LED mounted on top of the pump cover will begin to blink after every 750 cycles. The blinking LED will not affect the functions of the lift, but is a reminder to complete necessary maintenance and lubrication.

Once the lift has been serviced, fully stow the lift. Once stowed, press the UP button on the hand pendant and the Floor Level Set button on the back side of the pump cover until the Lift Ready green LED stops blinking.

Discontinue lift use immediately if maintenance and lubrication procedures are not properly performed, or if there is any sign of wear, damage or improper operation. Contact your sales representative or call The Braun Corporation at 1-800-THE LIFT®. One of our national Product Support representatives will direct you to an authorized service technician who will inspect your lift.

| 750<br>Cycles | Outer barrier link pivot points (2)  Outer barrier link slots (2)  Gear link assembly bearings (4)  Gear link assembly teeth (2)  Outboard platform bearings (2)  Platform fold link bearings (6)  Platform fold gear rack bearings (4)  Platform fold gear rack teeth (2)  Lift-Tite™ latches (tower pivot points - 2) | Apply Light Oil - See Lubrication Diagram  Apply Light Grease - See Lubrication Diagram  Apply Light Oil - See Lubrication Diagram  Apply Door Ease - See Lubrication Diagram  Apply Light Grease - See Lubrication Diagram  Apply Light Oil - See Lubrication Diagram  Apply Light Grease - See Lubrication Diagram  Apply Light Grease - See Lubrication Diagram  Apply Door Ease - See Lubrication Diagram  Apply Light Oil - See Lubrication Diagram |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| continued     | ( )                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

|               | Inspect Lift-Tite™ latches and gas springs for wear or damage (bent, deformed or misaligned), positive securement (external snap rings) and proper operation         | Resecure, replace damaged parts or otherwise correct as needed. <b>Note:</b> Apply Light Grease to Lift-Tite™ latch tower pivot point if replacing latch. |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|               | Inspect outer barrier for proper operation                                                                                                                           | Correct or replace damaged parts.                                                                                                                         |
| 750<br>Cycles | Inspect platform fold gear rack and gear weldment teeth for foreign objects, wear or damage (bent, deformed or misaligned), positive securement and proper operation | Remove foreign objects, replace damaged parts and resecure as needed                                                                                      |
|               | Inspect lift for wear, damage or any abnormal condition                                                                                                              | Correct as needed.                                                                                                                                        |
|               | Inspect lift for rattles                                                                                                                                             | Correct as needed.                                                                                                                                        |

|           | Perform all procedures listed in previous sections also                                                                                                                         |                                                                                                                  |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|           | Outer barrier activation foot pivot bearings (2)                                                                                                                                | Apply Light Oil - See Lubrication Diagram                                                                        |
|           | Outer barrier pivot arm bearings (4)                                                                                                                                            | Apply Light Oil - See Lubrication Diagram                                                                        |
|           | Upper fold arm cam followers (4)                                                                                                                                                | Apply Light Oil - See Lubrication Diagram                                                                        |
|           | Upper/lower fold arms (2)                                                                                                                                                       | Apply Grease (synthetic) to contact areas between upper/lower fold arms. See Lubrication Diagram                 |
|           | Platform pivot pin bearings (4)                                                                                                                                                 | Apply Light Oil - See Lubrication Diagram                                                                        |
|           | Lower fold arm bearings (8)                                                                                                                                                     | Apply Light Oil - See Lubrication Diagram                                                                        |
|           | Inner roll stop lever bearings (2)                                                                                                                                              | Apply Light Oil - See Lubrication Diagram                                                                        |
| 1500      | Inner roll stop lever slot (2)                                                                                                                                                  | Apply Light Oil - See Lubrication Diagram                                                                        |
| Cycles    | Saddle support bearings (8)                                                                                                                                                     | Apply Light Oil - See Lubrication Diagram                                                                        |
|           | Parallel arm pivot pin bearings (16)                                                                                                                                            | Apply Light Oil - See Lubrication Diagram                                                                        |
|           | Handrail pivot pins (2)                                                                                                                                                         | Apply Light Oil - See Lubrication Diagram                                                                        |
|           | Hydraulic cylinder pivot bushings (8)                                                                                                                                           | Apply Light Oil - See Lubrication Diagram                                                                        |
|           | Inspect Lift-Tite <sup>™</sup> latch rollers for wear or damage, positive securement and proper operation (2)                                                                   | Correct, replace damaged parts and/or relubricate.                                                               |
|           | Inspect outboard roll stop feet for proper operation, positive securement and detached or missing torsion spring                                                                | Correct, replace damaged parts and/or relubricate.                                                               |
|           | Inspect inner roll stop for:  • Wear or damage  • Proper operation. Roll stop should just rest on top surface of the threshold (base) plate.  • Positive securement (both ends) | Resecure, replace or correct as needed. See Platform Angle Instructions and Floor Level Adjustment Instructions. |
| continued | Inspect handrail components for wear or damage, and for proper operation                                                                                                        | Replace damaged parts.                                                                                           |

#### continued Inspect microswitches for securement. Resecure or replace if needed. Make sure lift operates smoothly Realign towers and vertical arms. Lubricate or correct as needed. Inspect external snap rings: Resecure or replace if needed. · Lower fold arms (6) • Inner roll stop lever bracket pins (2) Lift-Tite<sup>™</sup> latch gas (dampening) springs (4) · Gear link assembly (4) · Lift-Tite™ Latch (2) Vertical channel/platform link (2) • Upper fold arm cam followers (4) 1500 • Outer barrier pins (2) **Cycles** Inspect inner roll stop locks and torsion springs for Replace damaged parts. Apply Light Oil to wear or damage and for proper operation. inner roll stop lock pivot points. Inspect platform fold axles for wear or damage and Replace damaged parts and resecure as positive securement needed. Inspect platform fold link rollers and bearings for Resecure, replace or correct as needed. wear or damage and positive securement Note: Apply Loctite® to threads if needed. Remove pump module cover and inspect: Resecure, replace or correct as needed. · Hydraulic hoses, fittings and connections for wear or leaks · Harness cables, wires, terminals and connections for securement or damage · Control board, circuit breaker, power switch and

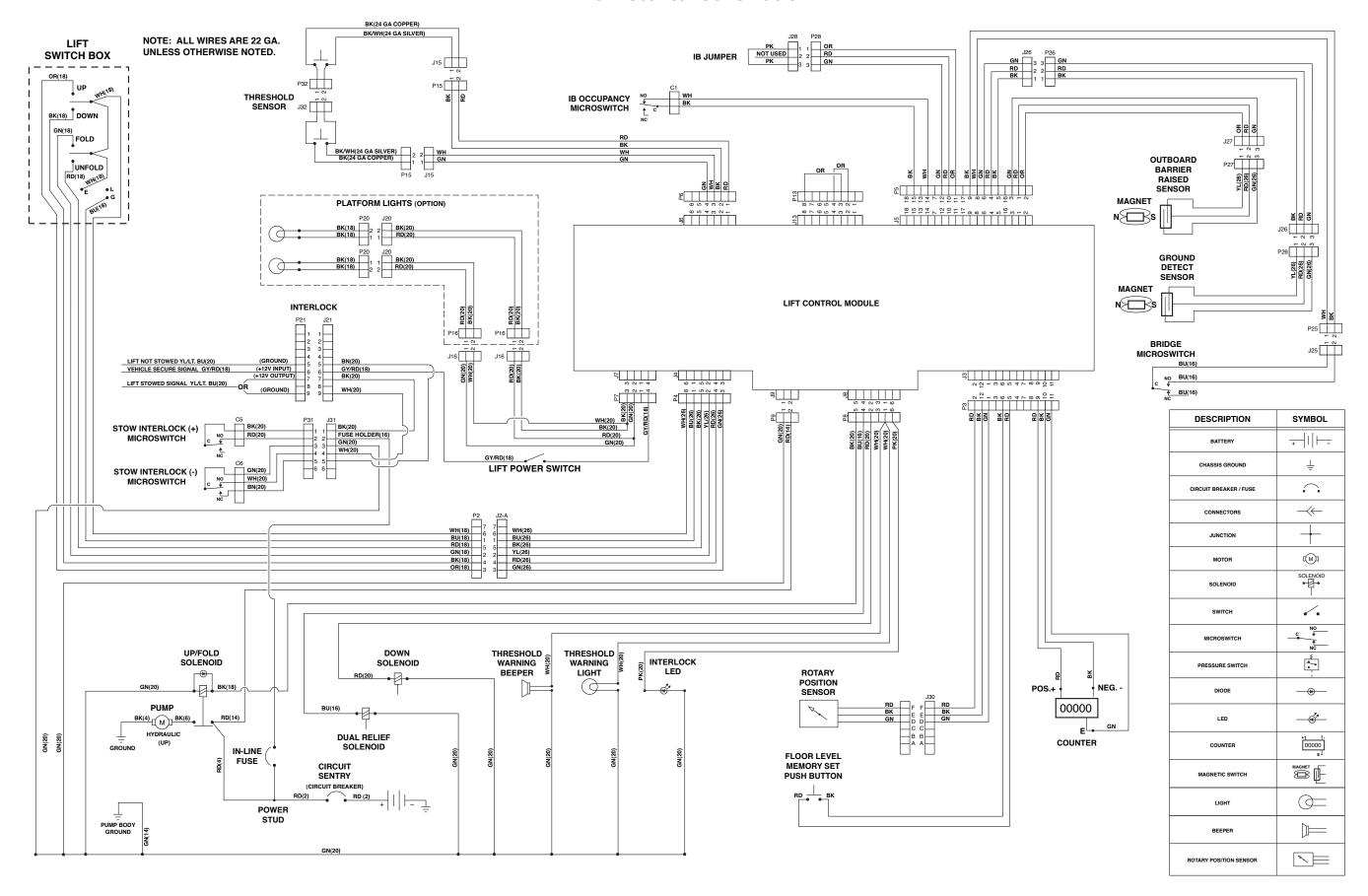
lights for securement or damage

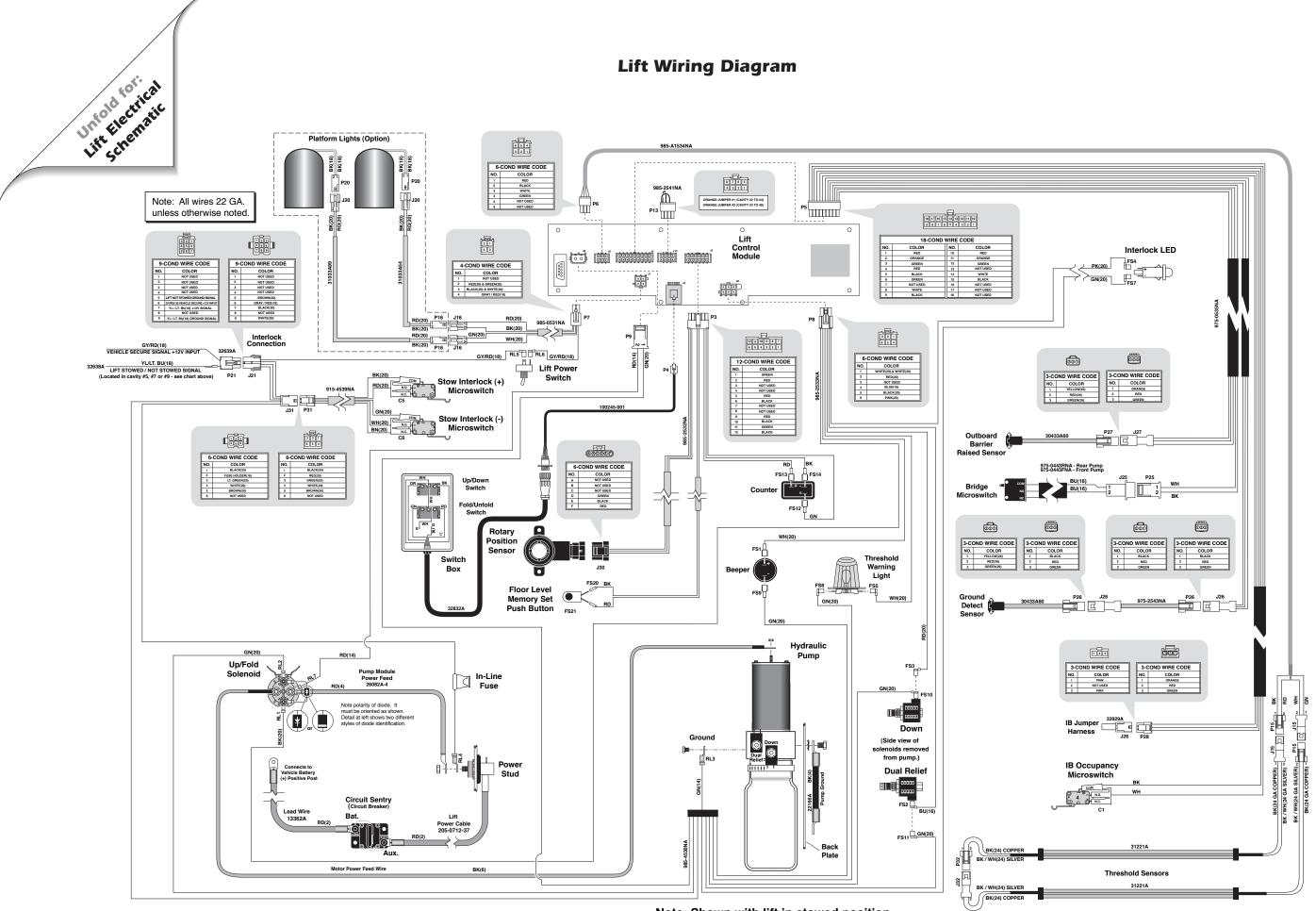
|           | Perform all procedures listed in previous section als                                                                                                                                                                | 0                                                                                                                                                                                                                                                                                       |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           | Inspect cotter pins on platform pivot pins (2)                                                                                                                                                                       | Resecure, replace or correct as needed                                                                                                                                                                                                                                                  |
| 4500      | Hydraulic Fluid (Pump) - Check level. <b>Note:</b> Fluid should be changed if there is visible contamination. Inspect the hydraulic system (cylinder, hoses, fittings, seals, etc.) for leaks if fluid level is low. | Use Braun 32840-QT (Exxon® Univis HVI 26) hydraulic fluid ( <b>do not mix</b> with Dextron III or other hydraulic fluids). Check fluid level with <b>platform lowered fully</b> and <b>roll stop unfolded fully</b> . Fill to within 1/2" of the bottom of the 1-1/2" fill tube (neck). |
| Cycles    | Inspect cylinders, fittings and hydraulic connections for wear, damage or leaks                                                                                                                                      | Tighten, repair or replace if needed.                                                                                                                                                                                                                                                   |
|           | Inspect parallel arms, bushings and pivot pins for visible wear or damage                                                                                                                                            | Replace if needed.                                                                                                                                                                                                                                                                      |
|           | Inspect parallel arm pivot pin mounting bolts (8)                                                                                                                                                                    | Tighten or replace if needed.                                                                                                                                                                                                                                                           |
|           | Inspect vertical arms, handrails and pivot pins for visible wear or damage                                                                                                                                           | Replace damaged parts and lubricate if needed                                                                                                                                                                                                                                           |
|           | Inspect upper/lower fold arms, saddle, saddle support and associated pivot pins, bushings, and bearings for visible wear or damage                                                                                   | Replace if needed.                                                                                                                                                                                                                                                                      |
| continued | Inspect gas springs (cylinders - 4) for wear or damage, proper operation and positive securement                                                                                                                     | Tighten, replace or correct as needed                                                                                                                                                                                                                                                   |

#### continued Inspect saddle bearing (1) and saddle bearing but-Apply Door-Ease or replace if needed. See Lubritons (2) cation Diagram. Inspect vertical arm plastic covers Resecure or replace if needed. 4500 Inspect power cable Resecure, repair or replace if needed. Cycles Mounting Check to see that the lift is securely anchored to the vehicle and there are no loose bolts, broken welds, or stress fractures. Decals and Antiskid Replace decals if worn, missing or illegible. Replace antiskid if worn or missing.

**Repeat all** previously listed inspection, lubrication and maintenance procedures at 750 cycle intervals.

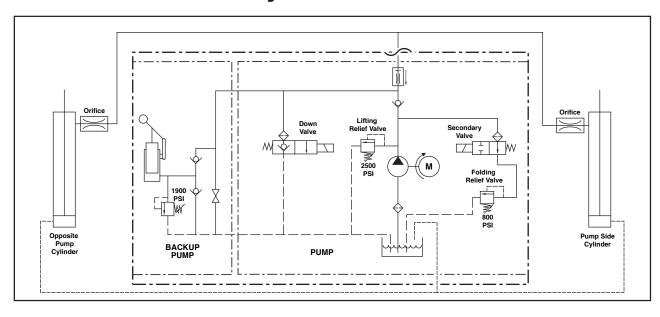
#### **Lift Electrical Schematic**





Note: Shown with lift in stowed position.

# **Hydraulic Schematic**



| Description                            | Symbol                                     | Description                       | Symbol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
|----------------------------------------|--------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Fixed Displacement Pump Hydraulic Port |                                            | 5                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |
| Pump Motor                             | Pump Motor 2 Way 2 Position Solenoid Valve |                                   | ı∠∏∳w                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| Backup Pump                            |                                            | Pressure Compensated Flow Control | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |
| Single Acting Cylinder                 |                                            | Relief Valve                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |
| Check Valve                            | <b>\( \psi \)</b>                          | Filter Screen                     | Image: Control of the |  |  |
| Unfold Orifice                         | $\Rightarrow$                              | Vented Reservoir                  | <u></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| Manual<br>Shutoff Valve                | \$                                         |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |

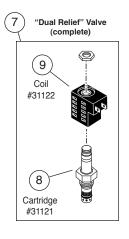
# **Hydraulics Parts List**

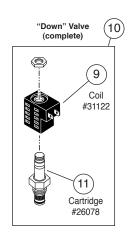
| Item | Qty. | Description                                                         | Part #        |
|------|------|---------------------------------------------------------------------|---------------|
| 1    | 1    | Pump Assembly (M-268-0112) 120G / 12V / Dual Relief                 | 30915-12V     |
| 2    | 1    | Lead Wire Assembly, #6 Guage                                        | 29049         |
| 3    | 1    | Clamp, Hose (M258)                                                  | 29663         |
| 4    | 1    | Diode Assembly, Up Solenoid                                         | 73906A        |
| 5    | 1    | Solenoid, 4-Post - Prestolite                                       | 28308         |
| 6    | 1    | Motor, Pump - 12 Volt - Low RPM                                     | 29690         |
| 7    | 1    | Valve Assembly, "Dual Relief" (complete)                            | 31120K        |
| 8    | 1    | Cartridge (only), "Dual Relief" Valve - (shown below)               | 31121         |
| 9    | 2    | Coil (only) - (shown below)                                         | 31122         |
| 10   | 1    | Valve Assembly, "Down" (complete)                                   | 31348K        |
| 11   | 1    | Cartridge (only), "Down" Valve - (shown below)                      | 26078         |
| 12   | 3    | Screw, 1/4-20 x 2-1/4", Allen Head                                  | 26080         |
| 13   | 1    | Hand Pump (Backup) with O-Rings (Item 14)                           | 26074         |
| 14   | 4    | O-Ring (only), Hand Pump Mounting                                   | 17351         |
| 15   | 1    | Clamp, Reservoir - H-48 (M259)                                      | 17069         |
| 16   | 1    | Reservoir, Hydraulic Fluid                                          | 30160         |
| 17   | 1    | Cap, Reservoir Filler - Screw On                                    | 30167         |
| 18   | 1    | Fitting, 90° - 1/8" NPT x 1/8" Barb - Plastic                       | 87563         |
| 19   | 1    | Connector, Plastic "Y", 1/8" O.D.                                   | 18877         |
| 20   | 1    | Hose, Thermal Plastic - Black, 1/8" I.D.                            | 23742R* (6")  |
| 21   | 1    | Handle with Grip                                                    | 17206A        |
| 22   | 1    | Fitting, Male 7-16-20 SAE O-Ring to Male 7/16-20 JIC 37°            | 24504         |
| 23   | 1    | Elbow, 7/16-20 JIC 37 Female Swivel (1) - 7/16-20 JIC 37° Male (2)  | 26579         |
| 24   | 1    | Hose Assembly, 1/8" (Opposite-Pump-Side)                            | 16004A-086    |
| 25   | 1    | Hose Assembly, 1/8" (Pump-Side)                                     | 16004A-046    |
| 26   | 2    | Elbow, 90°, 7/16-20 SAE O-Ring Male - 7/16-20 JIC 37° Male, Orifice | 26667         |
| 27   | 2    | Cylinder ✓                                                          | C1514.3-9408  |
| 28   | 2    | Elbow, 90°, 1/4 NPT Male to 1/4" Barbed                             | 15150         |
| 29   | 1    | Hose, Thermal Plastic - Black, 1/8" I.D.                            | 23742R* (68") |
| 30   | 1    | Hose, Thermal Plastic - Black, 1/8" I.D.                            | 23742R* (30") |
|      |      |                                                                     |               |

- ✓ **Seal Kits:** If repairing a cylinder, order Seal Kit #1500-0500**P**.
- \* Raw material items ordered and priced per inch (order specified length).

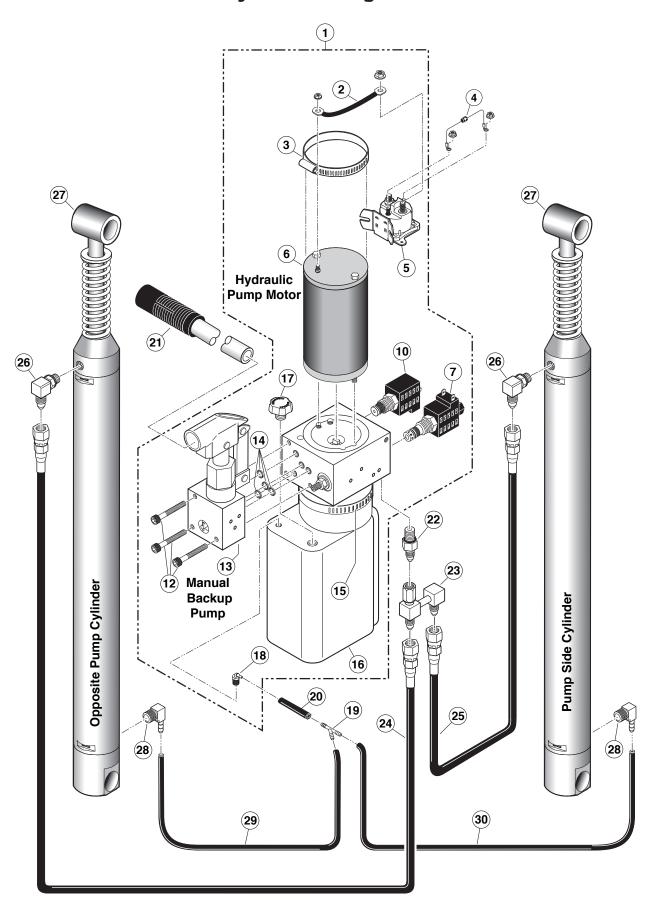
#### **Hydraulic Fluid**

When adding or changing hydraulic fluid, use Braun 32840-QT (Exxon® Univis HVI 26) hydraulic fluid (**do not mix** with Dextron III or other hydraulic fluids).





# **Hydraulics Diagram**



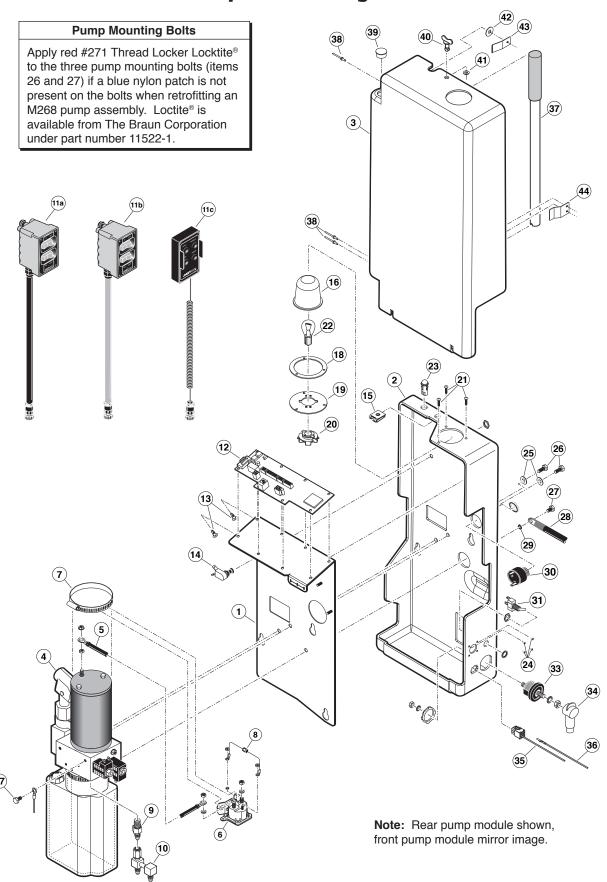
## **Pump Module Parts List**

| _        |      | Part Numbers of Items Dedicated per Lift Model                                                                   |              |                    |
|----------|------|------------------------------------------------------------------------------------------------------------------|--------------|--------------------|
| Item     | Qty. | Description                                                                                                      | NVL917IB     | NVL917FIB          |
|          | 1    | Pump Module (complete), 12 Volt, Rear                                                                            | 985-5516RNA  | 985-5516FNA        |
| 1        | 1    | Plate, Backing / Mounting - Rear                                                                                 | 985-2501RN   | 985-2501FN         |
| 2        | 1    | Cover, Pump, 2-Piece - Back / Bottom (915-0513RNAPT or 915-0513FNAPT Includes Items 2 and 15 - 21)               | 915-0513RNPT | 915-0513FNPT       |
| 3        | 1    | Cover, Pump - 2-Piece - Top / Front (985-0519RNAPT or 985-0519FNAPT Includes Items 3 and 38 - 50)                | 915-0519RNPT | 915-0519FNPT       |
| li a ma  | Ohu  | Part Numbers of Items Identical on all Lift Models                                                               |              | Down No.           |
| Item     | Qty. | Description  Purp According (MOSS 0110) 10V 100C - Puck Policy / ARS / Included Name F. 8.6)                     |              | Part No.           |
| 5        | 1 1  | Pump Assembly (M268-0112) 12V-120G - Dual Relief / ARS (Includes Items 5 & 6)  Power Cable, Up Solenoid to Motor |              | 30915-12V<br>29049 |
| 6        | 1    | Solenoid, Up - 4-Post - Prestolite                                                                               |              | 28308              |
| 7        | 1    | Clamp, Hose - Solenoid Mounting                                                                                  |              | 29663              |
| 8        | 1    | Diode Assembly, Up Solenoid                                                                                      |              | 73906A             |
| 9        | 1    | Fitting, Male 7/16-20 O-Ring to Male 7/16-20 JIC 37°                                                             |              | 24504              |
| 10       | 1    | Elbow, Female Swivel 7/16-20 JIC 37° to (2) Male 7/16-20 JIC 37°                                                 |              | 26579              |
| 11       | 1    | Control, Hand Pendant Assembly (See below for available options)                                                 |              | 20070              |
| 11a      | - 1  | Control, Hand Pendant Assembly - Non-Shielded Cable - Straight ◆See note below                                   |              | 32832A             |
| 11b      | - 1  | Control, Hand Pendant Assembly - Shielded Cable - Straight ♦See note below                                       |              | 32833A             |
| 11c      | - 1  | Control, Hand Pendant Assembly - Shielded Cable - Coiled ♦See note below                                         |              | 32421A             |
| 12       | 1    | Control Board Assembly                                                                                           |              | 100159-001         |
| 13       | 8    | Standoff, Snap-In                                                                                                |              | 31011              |
| 14       | 1    | Switch, Push Button                                                                                              |              | 31753              |
| 15       | 1    | Recepticle, Clip On                                                                                              |              | 28803              |
| 16       | 1    | Lens, Threshold Warning - Red                                                                                    |              | 30704              |
| 17       | 1    | Decal, Warning / Pressure Relief Valve (Not shown)                                                               |              | 22249              |
| 18       | 1    | Spacer, Lens - NHTSA                                                                                             |              | 31386              |
| 19       | 1    | Metal Ring Base - Lamp                                                                                           |              | 30971              |
| 20       | 1    | Socket, Lamp                                                                                                     |              | 30703              |
| 21       | 3    | Screw, #8-32 x 1/2" Pan Head Phillips - Thread Cut                                                               |              | 30974              |
| 22       | 1    | Bulb, Light                                                                                                      |              | 19841              |
| 23       | 1    | Diode, Green LED, Panel Mount                                                                                    |              | 29545              |
| 24       | 4    | Rivet, Snap124" Hole x .197"/.236" Thick                                                                         |              | 29874              |
| 25       | 2    | Washer, 5/16" Flat                                                                                               |              | 10063              |
| 26       | 2    | Bolt, 5/16-18 x 3/4", Nylock, Hex * See note below                                                               |              | 29608              |
| 27       | 1    | Bolt, 5/16-18 x 1/2", Nylock, Hex * See note below  Cable, Ground                                                |              | 10012              |
| 28       | 1    | Washer, 5/16" External Tooth                                                                                     |              | 22166A<br>16368    |
| 30       | 1    | Beeper, Constant - High Output                                                                                   |              | 33251              |
| 31       | 1    | Switch, Toggle                                                                                                   |              | 31787              |
| 32       | 1    | Decal, Lift Power - On/Off (Not shown)                                                                           |              | 21494              |
| 33       | 1    | Stud, Power Feed                                                                                                 |              | 26084              |
| 34       | 1    | Rubber Boot, Red ♦See note below                                                                                 |              | 82046              |
| 35       | 1    | Harness, Lift Interlock Connection                                                                               |              | 32639A             |
| 36       | 1    | Wire Assembly, Lift Stowed Connection ♦See note below                                                            |              | 32638A             |
| 37       | 1    | Pump Handle with Grip                                                                                            |              | 17206A             |
| 38       | 3    | Rivet, Pop, SD43BS - 1/8"13"/.19"                                                                                |              | 12954              |
| 39       | 1    | Plug, Window - Clear                                                                                             |              | 30443              |
| 40       | 1    | Stud, Wing Head - 1/4 Turn                                                                                       |              | 28804              |
| 41       | 1    | Retainer, Push On                                                                                                |              | 28805              |
| 42       | 1    | Washer, Nylon, 1/4" I.D. x 11/16" O.D. x .030"                                                                   |              | 12690              |
| 43       | 1    | Clip, Pump Handle - Top                                                                                          |              | 915-5517           |
| 44       | 1    | Clip, Pump Handle - Bottom                                                                                       |              | 915-5518           |
| 45       | 1    | Decal, Manual Instructions - Public (Not shown)                                                                  |              | 31412              |
| 46       | 1    | Decal, Removal / Installaton - Pump Cover (Not shown)                                                            |              | 29051              |
| 47       | 1    | Decal, Warning - Control Board Damage - ESD (Not shown)                                                          |              | 30787              |
| 48<br>49 | 1 1  | Decal, Removal / Installation Pump Handle (Not shown)  Decal, Dual Relief Adjustment (Not shown)                 |              | 29052<br>32201     |
| 50       | 1    | Decal, LCD Lift Codes (Not shown)                                                                                |              | 32201              |
| 51       | 1    | Cable, Pump Module Power Hookup (Not shown)                                                                      |              | 26082A-4           |
| 52       | 1    | Harness, Power - Stow Interlock (Not shown - see Wiring Diagram)                                                 |              | 985-4530NA         |
| 53       | 1    | Harness, Interlock / Lighting (Not shown - see Wiring Diagram)                                                   |              | 985-0531NA         |
| 54       | 1    | Harness, Up / Down Solenoid (Not shown - see Wiring Diagram)                                                     |              | 985-2533NA         |
| 55       | 1    | Harness, Threshold Switch Extension (Not shown - see Wiring Diagram)                                             |              | 985-A1534NA        |
| 56       | 1    | Harness, Stow Interlock (Not shown - see Wiring Diagram) ♦See note below                                         |              | 915-1538NA         |
|          |      | Harness, Hand Control - Pump Housing to Circuit Board (Not shown - see Wiring Diagram)                           |              | 100245-001         |
| 57       | 1 1  |                                                                                                                  |              |                    |

<sup>\*</sup> Apply red #271 Thread Locker Loctite® to the four hex bolts (items 26 and 27) if a blue nylon patch is not present on the bolts when retrofitting an M268 pump assembly. Loctite® is available from The Braun Corporation under part number 11522-1.

<sup>♦</sup> Indicates items available for replacement part purposes **only**. These items **are not** included with replacement pump modules.

## **Pump Module Diagram**

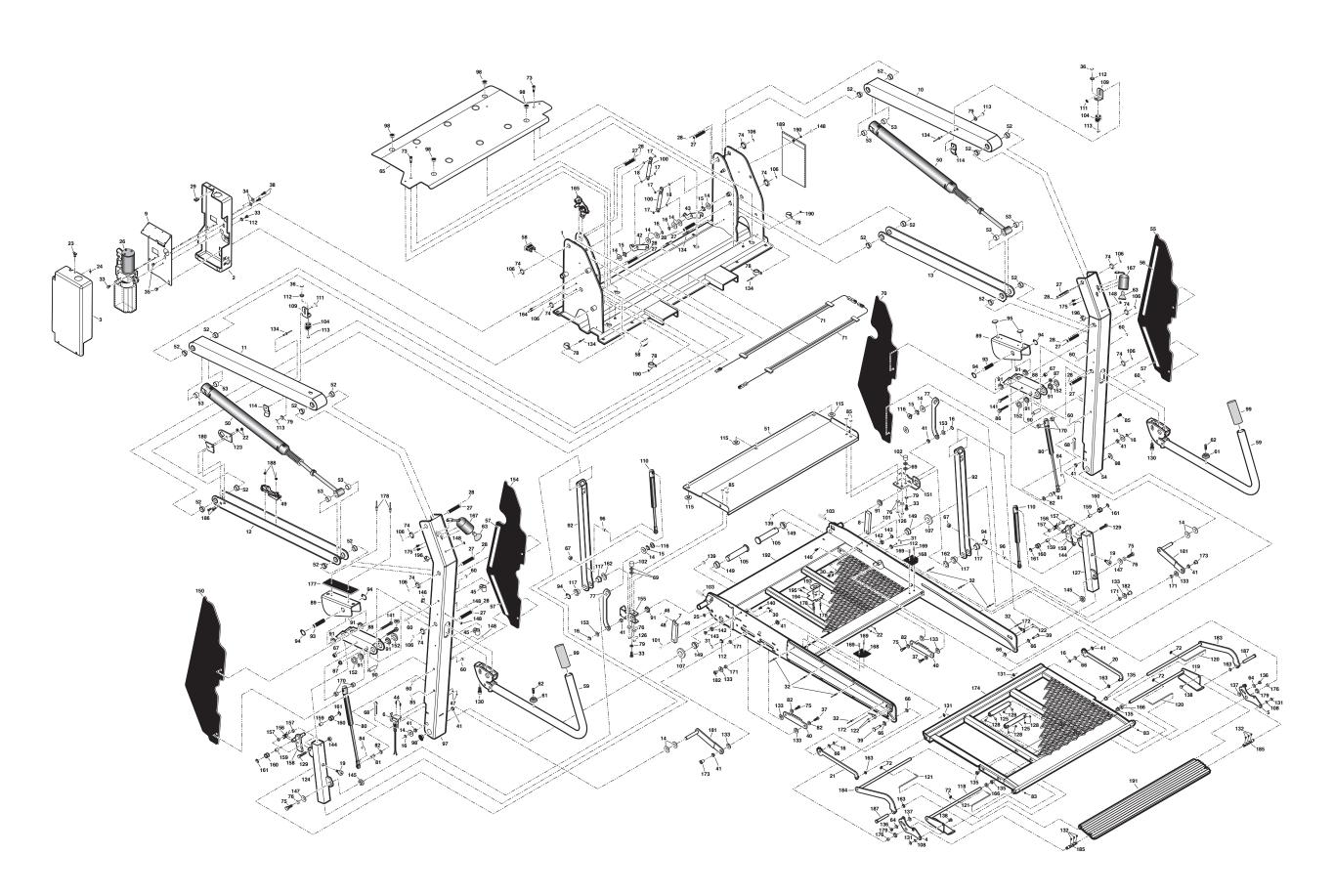


# **Repair Parts List**

|      |      | D. (N. )                                               |                |       | • • • • |      |                                                       |       |
|------|------|--------------------------------------------------------|----------------|-------|---------|------|-------------------------------------------------------|-------|
|      | 0.   |                                                        |                |       | ıcat    |      | er Lift Model                                         |       |
| ltem | Qty. | Description                                            | NVL91          |       |         |      | /L917FIB                                              |       |
| 1    | 1    | Base Weldment                                          | 975R5148l      |       | _       |      | F5148NW33                                             |       |
| 2    | 1    | Cover, Pump, 2-Piece, Back-Bottom                      | 915-0513F      |       |         |      | 5-0513FNPT                                            |       |
| 3    | 1    | Cover, Pump, 2-Piece, Top-Front                        | 915-0519F      |       | _       |      | 5-0519FNPT                                            |       |
| 4    | 1    | Assembly, Link, Outer Barrier, Rear                    | 975-0219       |       |         |      | 5-0220RNA                                             |       |
| 5    | 1    | Assembly, Link, Outer Barrier, Front                   | 975-0219       |       |         |      | '5-0220FNA                                            |       |
| 6    | 1    | Bridge Switch Assembly                                 | 975-0443       |       |         |      | '5-0443FNA                                            |       |
| 7    | 1    | Block, Platform Stop - Bridging - Rear                 | 25778          |       |         |      | 900-0311                                              |       |
| 8    | 1    | Block, Platform Stop - Bridging - Front                | 900-03         |       |         |      | 25778                                                 |       |
| 9    | 1    | Plate, Backing/Mounting                                | 985-250        |       |         |      | 75-2437RA                                             |       |
| 10   | 1    | Parallel Arm Assy., Top-Front w/Bearings               | 915-043        | 7FA   |         | 98   | 5-5437FNA                                             |       |
| 11   | 1    | Parallel Arm Assy., Top-Rear w/Bearings                | 985-5437       | RNA   |         | 9    | 75-2437RA                                             |       |
| 12   | 1    | Parallel Arm Assy., Bottom Rear w/Bearings and Sensors | 975-0458       | 3NA   |         | 9    | 17-0457NA                                             |       |
| 13   | 1    | Parallel Arm Assy., Bottom Front w/Bearings            | 917-045        | 7NA   |         | 9    | 75-0458NA                                             |       |
|      |      | Part Numb                                              | ers of Items   | Ident | ical    | on A | All Lift Models                                       |       |
| tem  | Qty. | Description                                            | Part No.       |       | tem     | Qty. |                                                       | t No. |
| 14   | 14   | Washer, .516" I.D. x 1" O.D. x .0269", Auto BK         | 15328          |       | 106     | 10   | Screw, 5/16-18 x 3/4", SHFS 255                       | 27    |
| 15   | 4    | Washer, Finger, Disc Spring                            | 27276          |       | 107     | 2    | Spacer, UHMW, Vertical Channel 995-0                  | 320   |
| 16   | 8    | Snap-Ring 1/2"                                         | 13273          |       | 108     | 2    | Washer, .376" I, D, x .563" O.D., .032" T-18-8 SS 315 | 14    |
| 17   | 4    | Snap-Ring 5/16"                                        | 24570          | 1     | 109     | 2    | Bracket, Mounting, Quiet Ride 915-0                   | 392   |
| 18   | 4    | O-Ring, 5/16" I.D. x 1/16" O.D.                        | 26614          |       | 110     | 2    | Gas Spring, 12.2" Extended/8.3" Compressed 3055       | OΑ    |
| 19   | 2    | Screw, Socket Head, 3/8-16 x 1/2" with 1/2" Shoulder   | 25929          | 1 -   | 111     | 2    | Bolt, 5/16-18 x 3/4", Carriage, Black 15856           | 3BK   |
| 20   | 1    | Gear Assembly, Front                                   | 975-2328FRABKN |       | 112     | 5    | Washer, 5/16", External Tooth 163                     | 38    |
| 21   | 1    | Gear Assembly, Rear                                    | 975-2328RRABKN |       | 113     | 4    | Nut, 5/16-18 Hex 100                                  | 58    |
| 22   | 4    | Nut, 1/4-20 Hex Lock                                   | 10775          | 1     | 114     | 2    | Bracket, Inner Side Panel Guide 915-0                 | 703   |
| 23   | 1    | Stud, Wing Head                                        | 28804          | 1     | 115     | 3    | Bearing, UHMW, Flat, Thin, Black 916-5                | 406   |
| 24   | 1    | Retainer, Push-On                                      | 28805          |       | 116     | 2    | Pivot, Bridge Plate Lever, Upper, Inside 916-5        | 433   |
| 25   | 1    | Grommet, ID .312", FR .250", GD .813" T500"            | 27726          | 1     | 117     | 4    | Bearing, Flange - 3/4" x 1/2" 240                     | 27    |
| 26   | 1    | Pump Assembly, (M268 with Backup Pump)                 | 30915-12V      |       | 118     | 1    | Weldment, Latch Foot, Rear 975-020                    | 4RNV  |
| 27   | 10   | Pin, Pivot, Parallel Arm                               | 917-0403       | 1     | 119     | 1    | Weldment, Latch Foot, Front 975-020                   | 4FNV  |
| 28   | 10   | Screw Drive #8 v 3/16" Long Black                      | 31086BK        | 1 -   | 120     | 2    | Rod 5/32" Torsion Spring Bar, Front 2813              | 2F    |

| 1.5   4.   Western Finders (Dec Sterms   7,770   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0 | 14  | 14 | Washer, .516" I.D. x 1" O.D. x .0269", Auto BK      | 15328           | 106 | 10  | Screw, 5/16-18 x 3/4", SHFS                       | 25527       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----------------------------------------------------|-----------------|-----|-----|---------------------------------------------------|-------------|
| 16   8   Stop-Stry   10   10   10   10   10   10   10   1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |    |                                                     |                 |     |     | Spacer, UHMW, Vertical Channel                    | 995-0320    |
| 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 16  | 8  | Snap-Ring 1/2"                                      | 13273           |     |     | Washer, .376" I. D. x .563" O.D., .032" T-18-8 SS | 31514       |
| 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |    |                                                     |                 |     |     |                                                   |             |
| 19   2   Serves, Souther Head, 38-16 is 1.07 - 481   12   581   12   12   12   13   13   13   13   1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |    |                                                     |                 |     |     |                                                   |             |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |    |                                                     |                 |     |     |                                                   |             |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |                                                     |                 |     |     |                                                   |             |
| 22   4   Mar. 14.60 Per Lock   1977   11   2   Basicel, Incre Size Point Gode   1915-079   12   1   1   1   1   1   1   1   1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |    |                                                     | 975-2329 DARKNI |     |     | Nut E/16 19 Hov                                   |             |
| 13   Stud. With Press   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982   1982 |     |    | Nut 1/4 20 Hay Look                                 |                 |     |     | Procket Inner Side Banel Guide                    |             |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |                                                     |                 |     |     |                                                   |             |
| 20   1   Genome D. 127; Ph. 207; CD 187; Ph. 207;  |     |    |                                                     |                 |     |     |                                                   |             |
| 20   1   Pump Assemble, McKR-Berth Several Person   1909   100   1   1     1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |    | Hetainer, Push-On                                   |                 |     |     |                                                   |             |
| 10   Pin, Pron. Pasall Arm   97 - 0402   110   1   Weldmark, Lace Flore, Front   97 - 0402   120   1   1   Weldmark, Lace Flore, Front   97 - 0402   120   1   1   Weldmark, Lace Flore, Front   97 - 0402   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120   120 |     |    | Grommet, ID .312", FR .250", GD .813" 1500"         |                 |     |     | Bearing, Flange - 3/4" x 1/2"                     |             |
| 10   Secre Diver 87. 3/19** Long Black   3/10468C   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100    |     |    | Pump Assembly, (M268 with Backup Pump)              |                 |     |     | Weldment, Latch Foot, Rear                        |             |
| 20   1   Pisceptistes (Lip-Chi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |    |                                                     |                 |     |     |                                                   |             |
| 20   2   Burner, Stork Millermann   2016   2   6   5   5   6   6   6   6   6   6   6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |    |                                                     |                 |     |     |                                                   |             |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |                                                     |                 |     |     |                                                   |             |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |    | Bumper, Stow, Millennium                            |                 |     | 4   |                                                   |             |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |    | Bolt, 5/16-18 x 1/2", Button Head, Socket Cap       |                 | 123 | 1   |                                                   | 31093       |
| 1.5   2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |    | Rivet, Pop, SD43BS - 1/8"13/.19                     |                 |     |     |                                                   | 975-0625RNW |
| 22   Solt, 36-16-12 for Year House Hand, Soc Cap Hol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 33  |    |                                                     |                 |     |     |                                                   |             |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |    | Washer, 5/16" Flat                                  |                 |     |     | Nut, 3/8-16, Hex                                  | 10059BK     |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 35  |    |                                                     | 29729           | 127 |     | Weldment, Tube-IB Fold Arm-Front                  | 975-0625FNW |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 36  | 2  | Bolt, 5/16-18 x 3/4", Button Head, Soc Cap Hd       | 24440           | 128 | 8   | Screw, 5/16-18 x 5/16", Set                       | 11567       |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 37  | 2  | Bolt, 3/8-16 x 3/4" GR5-Hex, Auto, BK               | 12463           | 129 | 2   | Bolt, 5/16-18 x 1 1/2" Hex Head, Cap              | 10014       |
| 2   Clear Place, Pattorn Fold                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 38  | 2  | Bolt, 5/16-18 x 3/4" Nylock, Hex                    | 29608           | 130 | 2   | Bolt, 7/16-20 x 1", SHCS, w/Nylock Patch          | 28474       |
| 2   Clear Place, Pattorn Fold                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 39  | 2  |                                                     |                 | 131 | 4   | Ring, 3/8" Retaining Snap                         | 13889       |
| 10   Bearing, Farrage, 172" x 144"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 40  | 2  | Gear Rack, Platform Fold                            | 975-2329BKN     | 132 | 6   |                                                   | 17192P      |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |                                                     |                 |     |     |                                                   |             |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |                                                     |                 |     |     | Rivet, Pop, 3/16"25"/.38", Black                  |             |
| 1481   2   Serey #-40 x Set" Round Head   1481   198   2   Net, 14-20 x S10", Outer Serrer   97-540004   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197-14   197- |     |    |                                                     |                 |     |     | Bearing, Flange, 10MM x 12MM, FMB1012DU           |             |
| 46   2   City, Calle, S.Pf. Plastic   26948   197   2   Washer, Myston, 34*1D, x.74*CD, A. (62*T   314.59   1691-20K   1801-124-20, Strong-Charle Strong   1991-20K   1801-124-20, Strong-Charle Strong   1991-20K   1801-124-20, Strong-Charle Strong   1991-20K   1801-124-20, Strong-Charle Strong   1991-20K   1801-124-20K   1801-124-20K   1801-124-20K   1991-20K   1991-20K  |     |    |                                                     |                 |     |     | Nut. 1/4-20 x 3/16". Outer Barrier                |             |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |    |                                                     |                 |     |     | Washer Nylon, 34" I.D. x, 74" O.D. x, 62" T       |             |
| 47   2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |    | Screw #8-32 v 1" Mach Truss Head                    |                 |     |     | Bolt 1/4-20 Shoulder Outer Barrier                |             |
| 40   2   Mul. 89-82, Hext                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |    | Nut #4-40 w/l ockwasher                             |                 |     | 2   | Nut 5/16-19 Top Lock Black                        |             |
| 50   2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |    |                                                     |                 |     |     | Polt 1/4 20 v 1/2" Button Hood Cooket             |             |
| 50   2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |    |                                                     |                 |     | 2   | Polt 2/9 16 v 2" Hov Hood Con                     |             |
| 52   1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |    |                                                     |                 |     |     | Dellar Assembly                                   |             |
| Second   S |     |    |                                                     |                 |     |     |                                                   |             |
| 53   8   Bushing, 34**I.D. x 12**   900-0468   145   2   Pivot, Bridge Plate Lever, Upper-Outer   916-5448   154   1   Charp, 14**I.D. hybrid hopp   94-956   155   1   Cover, Plaste, Franklad Arm, Ols Front-Wilapp   915-0704NA   147   2   Washer, 36**Pist, Black   100-064   100-064   157   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   158   1 |     |    |                                                     |                 |     | 2   |                                                   |             |
| 55   1   Vertical Channel Weldmert, Front, 48"   975-0448FNW   146   1   Clamp, 14" LD - Nylon Loop   84396   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064  |     |    | Bearing, Flange, 3/4" X 3/8"                        | 24011           |     |     |                                                   |             |
| 156   1   Cover, Plastic, Parallel Arm, OIS Front-wiTape   915-0704NA   147   2   Washer, 30F Flat, Black   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10064   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066   10066    |     |    | Busning, 3/4" I.D. X 1/2"                           |                 |     |     |                                                   |             |
| 56   2   Tapp, 1"Wide 5-Face Poam, X14" (I Shown)   82015R014   148   6   Rivet, Snap, 201" x 256*/295*   26882*   57   67   67   67   67   67   67   67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |    |                                                     |                 |     |     |                                                   |             |
| For   Fig.   Wide S-Face Foam, x 10" (§ Shown)   80015R010   149   4   Bearing, Fiange, 1"x 12"-16FDUBB   28031   159   1   Cover, Plastic, Parallel Arm, US Rear-wTape   915-0702NA   150   1   Cover, Plastic, Parallel Arm, US Rear-wTape   915-0702NA   150   1   Cover, Plastic, Parallel Arm, US Rear-wTape   915-0702NA   150   1   Cover, Plastic, Parallel Arm, US Rear-wTape   985-0431RNW   151   1   Widdmert, Bridgeplate Bracket, Front   985-0431RNW   152   4   Spare, Plastic, Parallel Arm, US Rear-wTape   975-0703NA   156   2   Spare, Bracket, Rear   985-0431RNW   155   1   Cover, Plastic, Parallel Arm, US Rear-wTape   975-0703NA   155   1   Widdmert, Bridgeplate Bracket, Flast   985-0431RNW   155   1     Widdmert, Bridgeplate Bracket, Flast   985-0431RNW   155   1   Widdmert, Bridgeplate Bracket, Flast   985-0431RNW   155   1                                                                                                                                                                                                                                                                                                                                                                                                     |     |    | Cover, Plastic, Parallel Arm, O/S Front-w/Tape      |                 |     |     |                                                   |             |
| 58                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |    |                                                     |                 |     |     | Rivet, Snap, .201" x .256"/.295"                  |             |
| 59   2   Handrall Weldment   985-461 RMW   905-0301   152   4   Spacer, Handrall, 375 **Th. LHMW   905-0301   152   2   Sumper, Rubber, 31/32**C D.   10950   1585   158   2   Washer, 515**I. D. x, 75**O. D. x, 250**C, Black   25338   158   2   Cover, Pastic, Parallel Arm, 15 Rear-Wappe   975-0703NA   158   2   Washer, 515**I. D. x, 75**O. D. x, 250**C, Black   25338   158   1   Cover, Pastic, Parallel Arm, 15 Rear-Wappe   975-0703NA   158   2   Washer, 329**I. D. X, 75**O. D., 602***I. J. Washer, 158**I. J. Wa |     |    |                                                     |                 |     |     | Bearing, Flange, 1" x 1/2-16FDU08                 |             |
| 60   8   Rivet, Push In - 9MM   90063   152   4   Spacer, Harbrail, 375 'Tht, UHMW   996-0301   62   2   Screw, #8-18 xt 1/2', Self-Tap, Phillipp   15583   1564   1   Cover, Plastic, Parallel Arm, US Rear-wTape   975-0703NA   64   2   Washer, 368' I.D. X. 75' O.D. x 50', D.B. 40' (1984)   1568   1   Cover, Plastic, Parallel Arm, US Rear-wTape   975-0703NA   1568   2   Spring, Iorston - 366' I.D. x 50' O.D. x 50' O.B. x 50'  |     |    | Cycle Counter-LCD Without Reset                     |                 |     |     |                                                   |             |
| 61   2   Bumper, Rubber, 31/32° D.   10950   1538   2   Washer, 516° I.D. x 75° O.D. x 250°, Black   25336   62   25   25   25   25   25   25   2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     | 2  |                                                     |                 |     |     |                                                   |             |
| 63   2   Screw, #8-18 x 1/Z, Self-Tap, Phillips   15888   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588  | 60  | 8  |                                                     | 30063           | 152 | 4   | Spacer, Handrail, .375" Thk. UHMW                 | 995-0301    |
| 63   2   Bulb, Light 20-W, Hatogen Reflector   31060   164   2   Washer, 328° I.D. X.75° O.D., o62° T-UHMW   31438   156   2   Spring, Torsoln - 386 I.D. X.05°   30386   66   1   Base Cover Assembly - 33° (Traction Tape Not Shown)   975-5146 CNA33Y   157   4   Spacer, IB Lock   30394   66   6   Washer, Thrust, 375° O.D., 50° T.D., 058° ST   29371   158   2   Weldment, IB Lock   985-0630NW   67   4   Nut, 38-16, Hex Lock   15806EK   15806EK  | 61  | 2  | Bumper, Rubber, 31/32" O.D.                         | 10950           | 153 | 2   | Washer, .516" I.D. x .75" O.D. x .250", Black     | 25336       |
| 66   2   Washer, 328° I.D. X. 75° O.D., 662° T.UHMW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 62  | 2  | Screw, #8-18 x 1/2", Self-Tap, Phillips             | 13583           | 154 | 1   | Cover, Plastic, Parallel Arm, I/S Rear-w/Tape     | 975-0703NA  |
| 66   2   Washer, 328° I.D. X. 75° O.D., 662° T.UHMW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 63  | 2  | Bulb, Light 20-W, Halogen Reflector                 | 31060           | 155 | 1   | Weldment, Bridgeplate Bracket, Rear               | 985-0431RNW |
| 66   6   1   Base Cover Assembly - 32" (Traction Tage Not Shown)   975-5148(CNA32Y   158   29371   158   29371   158   29371   158   2   Weldmert, IB Lock   985-6630MV   67   4   Nut, 38-16, Hex Lock   15816T   159   4   Bearing, 38" (LD x. 1/2" Long   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   30405   | 64  | 2  | Washer, .328" I.D. X .75" O.D., .062" T-UHMW        | 31438           | 156 | 2   | Spring, Torsion366 I.D. x .05"                    | 30386       |
| 66   6   Washer, Thrust, 875' O. D., 50' I. D., 058' ST   29371   158   2   Weldment, IB Lock   985-0630NW   1568   2   Cotter Pin, 1/4" x2', Black   15886BIK   160   4   Roller, 65' O. D. x12'' Long   985-0631N   16886BIK   160   4   Roller, 65' O. D. x12'' Long   985-0631N   160   4   Roller, 65' O. D. x12'' Long   985-0631N   160   4   Roller, 65' O. D. x12'' Long   985-0631N   160   4   Roller, 65' O. D. x12'' Long   985-0631N   160   4   Roller, 65' O. D. x12'' Long   985-0631N   160   4   Roller, 65' O. D. x12'' Long   985-0631N   160   4   Roller, 65' O. D. x12'' Long   985-0631N   160   4   Roller, 65' O. D. x12'' Long   985-0631N   160   4   Roller, 65' O. D. x12'' Long   985-0631N   160   4   Roller, 65' O. D. x12'' Long   985-0631N   160   4   Roller, 65' O. D. x12'' Long   985-0631N   160   4   Roller, 65' O. D. x12'' Long   985-0631N   160   4   Roller, 65' O. D. x12'' Long   985-0631N   160   4   Roller, 65' O. D. x12'' Long   985-0631N   160   4   Roller, 65' O. D. x12'' Long   985-0631N   160   4   Roller, 65' O. D. x12'' Long   985-0631N   160   4   Roller, 65' O. D. x12'' Long   985-0631N   160   4   Roller, 65'' O. D. x12'' Long   985-0631N   160   4   Roller, 65'' O. D. x12'' Long   985-0631N   160   4   Roller, 65'' O. D. x12'' Long   985-0631N   160   4   Roller, 65'' O. D. x12'' Long   985-0631N   160   4   Roller, 65'' O. D. x12'' Long   985-0631N   160   4   Roller, 65'' O. D. x12'' Long   985-0631N   160   4   Roller, 65'' O. D. x12'' Long   985-0631N   160   4   Roller, 65'' O. D. x12'' Long   985-0631N   160   4   Roller, 65'' O. D. x12'' Long   985-0631N   160   4   Roller, 65'' O. D. x12'' Long   985-0631N   160   4   Roller, 65'' O. D. x12'' Long   985-0631N   160   4   Roller, 65'' O. D. x12'' Long   985-0631N   160   4   Roller, 65'' O. D. x12'' Long   985-0631N   160   4   Roller, 65'' O. D. x12'' Long   985-0631N   160   4   Roller, 65'' O. D. x12'' Long   985-0631N   160   4   Roller, 65'' O. D. x12'' Long   985-0631N   160   4   Roller, 65'' O. D. x12'' Long   985-0631N    | 65  | 1  | Base Cover Assembly - 33" (Traction Tape Not Shown) | 975-5148CNA33Y  |     |     |                                                   |             |
| 68   2   Cotter Pin, 14" x2", Black   15868EK   160   4   Roller, 65" O.D. x1" Long   985-0831N   69   4   Washer, 14" Flat   10062   161   4   Foliar, 65" O.D. x1" Long   985-0831N   69   4   Washer, 14" Flat   10062   755-0701N   162   2   Spacer, Handrail, 250" This. Uniform 1975-0701N   162   2   Spacer, Handrail, 250" This. Uniform 1975-0701N   162   2   Spacer, 14" Card   24028   163   4   Bearing, Flange, 38" LD. x 14"   24028   24028   2   Spacer, 14" Card   2   Spacer, |     | 6  | Washer, Thrust, .875" O.D., .50" I.D., .058" ST     | 29371           |     |     |                                                   | 985-0630NW  |
| 68   2   Cotter Pin, 14" x 2", Black   15886BK   160   4   Roller, 65" C.D. x 1/2" Long   985-0831N   70   1   Cover, Plastic, Parallel Arm, US Front-w/Tape   975-0701NA   162   2   Spacer, Handrall, 230" Thk. UHMW   911-5301   71   2   Threshold Strip Switch   31221A   163   4   Bearing, Flange, 38" I.D. x 1/4"   24028   72   4   Retainer, Push, 552" Threadess Shaft   31728   164   2   Screw, 1/4-20 x 3/4" BHSCS 18-8 SS   81068-000   73   2   Bolt, Shoulder, 5/16" x 58", 1/4-20 Thread   31816   165   2   Screw, 1/4-20 x 3/4" BHSCS 18-8 SS   81068-000   74   10   Washer, 12" Flat Black Zinc   25546   166   2   Washer, 309" I.D. x 7.5" O.D., 21" T-UHMW   31440   31416   75   4   Bolt, 308-16 x 1", Hex   10025   167   2   Light Assy, Vertical Channel   31062A   76   6   Washer, 308", Lock, Black   100098BK   168   2   Pad, Outer Barrier, Foot Stowed   975-2379   77   2   Lever, Inboard Outer Barrier   975-0404N   169   4   Plug, Interior, Plastic Push, Black   P5006" BK   77   2   Gas Spring, Fold Arm   29186   170   4   Spacer, UHMW-75" O.D. x 39" I.D. x 25"   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227   30227    |     |    |                                                     |                 |     |     |                                                   |             |
| 69   4   Washer, 14" Flat   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062   10062    | 68  |    | Cotter Pin, 1/4" x 2", Black                        | 15886BK         |     |     |                                                   |             |
| To   Cover, Plastic, Parallel Arm, IJS Front-WiTape   975-0701NA   162   2   Spacer, Handrail, 230" Thk. UHMW   911-5301   172   4   Retainer, Push, 572" Threadless Shaft   31728   163   4   Bearing, Flange, 38" I.D. x.14"   24028   73   2   Bolt, Shoulder, 5716" x 58", 1/4-20 Thread   31816   165   1   Assembly, Rotary Postlion Sensor   31094A   74   10   Washer, 12" Flat Black Zinc   25346   166   2   Washer, 390" I.D. x.75" O.D., 21" T-UHMW   31440   3140   3140   3140   3140   3140   3140   3140   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   31440   3 |     |    |                                                     |                 |     |     |                                                   |             |
| Trigonome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |    |                                                     | 975-0701NA      |     |     | Spacer, Handrail, 230" Thk, UHMW                  |             |
| T2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |    |                                                     |                 |     |     |                                                   |             |
| 73   2   Bolt, Shoulder, 516* x 5/8*, 1/4-20 Thread   31816   165   1   Assembly, Rotary Position Sensor   31094A   31440   75   4   Bolt, 3/8-16 x 1*, Hex   10025   167   2   Light Assy, Vertical Channel   31062A   168   2   Pad, Outer Barrier, For Oldward   975-2379   170   4   Clamp, Insulate 1 318* I.D.   29765   170   4   Spacer, Light-Win-75* O.D. x 39* I.D. x 25*   30227   170   4   Spacer, Light-Win-75* O.D. x 39* I.D. x 25*   30227   170   4   Spacer, Light-Win-75* O.D. x 39* I.D. x 25*   30227   171   4   Spacer, Light-Win-75* O.D. x 39* I.D. x 25*   30227   171   4   Spacer, Light-Win-75* O.D. x 39* I.D. x 25*   30227   171   4   Spacer, Light-Win-75* O.D. x 39* I.D. x 25*   30227   171   4   Spacer, Light-Win-75* O.D. x 39* I.D. x 25*   30227   171   4   Spacer, Light-Win-75* O.D. x 30* I.D. x 25*   30237   171   4   Spacer, Light-Win-75* O.D. x 30* I.D. x 25*   30237   171   4   Spacer, Light-Win-75* O.D. x 30* I.D. x 25*   30237   172   2   Pin, Bearing, Gear Rack   975-2334   172   2   Pin, Bearing, Gear Rack   975-2338   173   2   Pin, Bearing, Gear Rack   975-2358   173   2   Pin, Bearing, Gear Rack   975-2358   174   1   Platform Weldment Movable Outer   975-336NW   175   4   Screw, Fill-32 x 1/2* Eubton Head, Socket, Cap   30375WP   176   2   Bearing, Platform, Slide   975-2358   177   177   1   Slide, Light-Win-75* O.D. x 316* I.D. x 10* I.D. x  |     |    | Betainer Push 5/32" Threadless Shaft                |                 |     |     |                                                   |             |
| T4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |    | Bolt Shoulder 5/16" x 5/8" 1/4-20 Thread            |                 |     |     |                                                   |             |
| 75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |    |                                                     |                 |     |     | Washer 390" I D x 75" O D 21" T-LIHMW             |             |
| Tell   Fig.    |     |    | Bolt 3/8-16 x 1" Hex                                |                 |     | 2   | Light Assy Vertical Channel                       |             |
| Fig.   Lever, Inboard Outer Barrier   975-0404N   78   4   Clamp, Insulate 1, 38" I.D.   29765   170   4   Spacer, J.H.M.Y5" O.D. x. 39" I.D. x. 25"   30027   79   4   Washer, 5/16" Lock, Black   10068   170   4   Spacer, J.H.M.Y5" O.D. x. 39" I.D. x. 25"   30027   79   4   Washer, 5/16" Lock, Black   10068   170   4   Spacer, J.H.M.Y5" O.D. x. 39" I.D. x. 25"   30027   171   4   Bearing, Platform, Slide   975-2359   173   2   Harness, Sensor, Magnetic wiPlug - 60"   30433A60   172   2   Harness, Sensor, Magnetic wiPlug - 60"   30433A60   173   2   Pln, Bearing, Gear Rack   975-2334   173   2   Pln, Bearing, Gear Rack   975-2334   173   2   Pln, Bearing, Gear Rack   975-2334   174   1   Platform Weldment Movable Outer   975-5336NW   174   1   Platform, Slide   174   1   Platform, Slide   175   4   Sorew, #10-32 x I.Z" Button Head, Socket, Cap   30375WP   174   1   Platform, Slide   975-2358   175   4   Sorew, #10-32 x I.Z" Button Head, Socket, Cap   30375WP   175   2   Bearing, Platform, Slide   975-2358   176   2   Bearing, Platform, Slide   975-2358   176   2   Bearing, Platform, Slide   975-2358   177   1   Slide, Julian Head, Socket, Cap   975-2358   177   177   1   Slide, Julian Head, Socket, So       |     |    |                                                     |                 |     |     | Pad Outer Barrier Foot Stowed                     |             |
| 78                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |    |                                                     |                 |     |     |                                                   |             |
| 79                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |    |                                                     |                 |     |     | Spacer, UHMW-,75" O.D. x 39" I D x 25"            |             |
| 80   2   Gas Spring, Fold Arm   29186   172   2   Harness, Sensor, Magnetic wPlug - 60"   30433A60   30435A60   30435A6 |     |    | Washer 5/16" Lock Black                             |                 |     |     | Bearing Platform Slide                            |             |
| 81                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |    |                                                     |                 |     |     |                                                   |             |
| R2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |    | Ball Stud. Gas Spring, 13MM v 3/8-16 F Thread       |                 |     |     | Pin Bearing Gear Back                             |             |
| 83   2   Screw, 1/4-20 x 1/4", Set   11563   84   2   Clip, Satety, 38-16 x 3/4", Flange   12608   12608   176   2   Bearing, Platform, Side   975-2358   185   6   Bolt, 3/6-16 X 3/4", Flange button Head, Socket Cap   25171   177   1   Silide, UHMW, Platform Rotate   31677   186   2   Bolt, 5/16-16 x 2", Flange, Hex   25130   178   5   Rivet, Pop, 3/16" - 1.37.25" - S0648S   11513   179   2   Spacer, 58" I.D., 78" - 0.D. x 3/16" I.U.HMW   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   31678   3 |     |    |                                                     |                 |     |     |                                                   |             |
| Ref.   2   Clip, Safety, 3/8-16 x 3/4", Flange   12608   176   2   Bearing, Platform, Slide   975-2358   177   177   1   Slide, UH/MV, Platform Rotate   3167-3258   177   177   1   Slide, UH/MV, Platform Rotate   3167-3258   177   178   1   Slide, UH/MV, Platform Rotate   3167-3258   117   178   1   Slide, UH/MV, Platform Rotate   3168-325   1   Slide, UH/MV, Platform Rotate   3169-325   1   Slide, UH/MV, Platform  |     |    |                                                     |                 |     |     |                                                   |             |
| B5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |    |                                                     |                 |     |     |                                                   |             |
| 178   5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |    |                                                     |                 |     |     |                                                   |             |
| 87         2         Nut, 5/16-18, Serrated Flange         25131         179         2         Spacer, 58° I.D., 7/8° O.D. x 316° I-UHMW         31678           88         2         Arm, Silde Support (Replace In Pairs)         985-6612N         180         1         Position Sensor Spacer         31092           89         2         Silde, Platform, Rotate         985-0606N         181         2         Link, Weldment, Platform, Vertical Channel         975-2333W           90         2         Spacer, 5° O.D. x. 334° I.D. x 1.515° LG         25132         182         2         Pin, Bearing, Gear Rack         975-2233W           91         10         Bearing, Flange, 3/4° x 1/4°         24012         183         1         Outer Barrier Pivot Arm Front         975-2216PNWY           92         2         Weldment, Platform Pivot Arm -48°         985-0840NW-BKN         184         1         Outer Barrier Pivot Arm Rear         975-0216PNWY           94         6         Ring, Snap, 3/4°, External         18657         186         2         Screw, 1/4-20 x 3/4°, Flat Head, Socket, Countersink         28986           95         2         Bearing, UhlMW, Flat, 1:226°         205-1760         187         2         Pin, Bearing, Platform Silde         975-2360           96         2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |    |                                                     |                 |     |     | Rivet Pon 3/16" - 13/25" - SD64RS                 |             |
| 88         2         Arm, Slide Support (Replace In Pairs)         985-6612N           89         2         Side, Platform, Rotate         985-6608N           90         2         Spacer, 5" O.D. x. 334" I.D. x 1.515" LG         25132           91         10         Bearing, Flange, 3/4" x 1/4"         24012           92         2         Weldment, Platform Pivot Arm Front         975-0216RNWY           93         2         Pin, Pivot, Lower Arm         995-0640NW-BKN           94         6         Ring, Siapa, 3/4", Esternal         18657           95         2         Bearing, UHMW, Flat, 1.226"         205-1760           95         2         Ball Stud, 10MM         21301           97         1         Vertical Channel Weldment, Rear         975-0448RNW           98         6         Plastic End Cap, 1" I.D. x 1 1/4" O.D.         20474           199         2         Gir, Handle, Yellow         1904           100         2         Spring, Dampener, Retract         975-0448RNW           188         2         Pin, Duter Barrier Pivot Arm Front         975-0216RNWY           185         2         Pin, Outer Barrier Pivot Arm Front         975-0216RNWY           186         2         Screw, I/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |    | Nut 5/16-18 Serrated Flance                         |                 |     |     | Spacer 5/8"   D 7/8"   D v 3/16"   LIIIMMM        |             |
| 89                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |    |                                                     |                 |     |     |                                                   |             |
| 90         2         Spacer, 5" O.D. x 334" I.D. x 1.515" LG         25132         182         2         Pin, Bearing, Gear Rack         975-2202           91         10         Bearing, Flange, 3/4" x 1/4"         24012         183         1         Outer Barrier Pivot Arm Front         975-0216FNWY           92         2         Weldment, Plattorn Pivot Arm - 48"         985-0640NW-BKN         184         1         Outer Barrier Pivot Arm Rear         975-0216FNWY           93         2         Pin, Pivot, Lower Arm         900-0413N         185         2         Pin, Outer Barrier, Vista         975-0217N           94         6         Ring, Snap, 3/4", External         18657         186         2         Screw, 1/4-20 x 3/4", Flat Head, Socket, Countersink         2896           95         2         Bearing, UHMW, Flat, 1:226"         205-1760         187         2         Pin, Bearing, Platform Slide         975-2360           96         2         Ball Stud, 10MM         21301         188         2         Nut, #10-32 w/Lockwasher         18317           97         1         Vertical Channel Weldment, Rear         975-0448RNW         188         1         Bag, Vinyl - 7" x 10"         31174           98         6         Plastle End Cap, 1" I.D. x 1 1/4" O.D.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |    | Slide Diatform Dotate                               |                 |     |     | Link Woldmont Platform Vertical Channel           |             |
| 91   10   Bearing, Flange, 3/4" x 1/4"   24012   183   1   Outer Barrier Pivot Arm Front   975-0216RNWY   985-0640NWHSKN   184   1   Outer Barrier Pivot Arm Rear   975-0216RNWY   93   2   Pin, Pivot, Lower Arm   900-0413N   1865   2   Pin, Outer Barrier, Vista   975-0217N   94   6   Ring, Snap, 3/4", External   18657   18657   186   2   Screw, 1/4-20 x 3/4", Flat Head, Socket, Countersink   28986   95   2   Bearing, UHMW, Flat, 1.256"   205-1760   187   2   Pin, Bearing, Platform Slide   975-2360   96   2   Ball Stud, 10MM   21301   188   2   Nut, #10-32 w.l.ockwasher   18349   975-0448RNW   189   1   Bag, Viny; 7" x 10"   31174   98   6   Plastic End Cap, 1" 1.D x 1 1/4" O.D.   20474   190   3   Washer, #10, Flat, Auto BK   11541   99   2   Grip, Handle, Yellow   19074   191   1   Outer Barrier, 33"   975-03351NW   101   2   Spring, Dampener, Retract   26963   192   1   Platform Weldment Fixed Inner   975-03351NW   101   2   Sumper, 75'x, 625' Long   915-0391   194   1   Bracket, Hanger, Hand Pendant   33216   103   2   Screw, 1/2-20 x 1 1/2" Set Lock, Black   18663   195   2   Bolt, Carriage, 1/2-20 x 1/2"   12777   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   10092   1009 |     | 2  |                                                     |                 |     |     | 6. 6 6. 6                                         |             |
| 92         2         Weldment, Platform Pivot Arm - 48"         985-0640NW-BKN           93         2         Pin, Pivot, Lower Arm         900-0413N           94         6         Ring, Snap, 3/4", External         18657           95         2         Bearing, UHMW, Flat, 1:28"         205-1760           96         2         Ball Stud, 10MM         21301           97         1         Vertical Channel Weldment, Rear         975-0448RNW           98         6         Plastic End Cap, 1"1.D. x 11/4" O.D.         20474           99         2         Grip, Handle, Yellow         19074           100         2         Spring, Dampener, Retract         26963           101         2         Bumper, .75"x. 625" Long         915-0391           103         2         Screw, 1/2-20 x 1 1/2" Set Lock, Black         18663           104         2         Block, Guide-Platform Stow         28593           105         2         Clamper, 19-12 Set Lock, Elack         10092                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     | 10 |                                                     |                 |     | - 4 |                                                   |             |
| 93         2         Pin, Pivot, Lower Arm         900-0413N           94         6         Ring, Snap, 3/4", External         18657           95         2         Bearing, UHMW, Flat, 1,226"         205-1760           96         2         Ball Stud, 10MM         21301           97         1         Vertical Channel Weldment, Rear         975-0448RNW           98         6         Plastic End Cap, 1" I.D. x 1 1/4" O.D.         20474           99         2         Gip, Handle, Yellow         19074           100         2         Spring, Dampener, Retract         26963           101         2         Bolt, 5/16-18 x 1 1/4" Low Socket Hd., Cap, Bk.         26327           102         2         Bumper, 75"x. 625" Long         915-0391           103         2         Screw, 1/2-20 x 1 1/2" Set Lock, Black         18663           194         1         Bracket, Hanger, Hand Pendant         32215           103         2         Screw, 1/2-20 x 1 1/2" Set Lock, Black         18663           195         2         Blot, Cauriage, 1/2-20 x 1 1/2" Set Lock, Black         12667                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |    |                                                     |                 |     |     | Outer Barrier Divot Arm Deer                      |             |
| 94   6   Fing, Snap, 3/4", External   18657   18657   186   2   Screw, 1/4-20 x 3/4", Flat Head, Socket, Countersink   28986   95   2   Bearing, UHMW, Flat, 1.26"   205-1760   187   2   Pin, Bearing, Platform Slide   975-2360   975-2360   187   2   Pin, Bearing, Platform Slide   975-2360   188   2   Nut, #10-32 w/Lockwasher   18349   184   2   Nut, #10-32 w/Lockwasher   18349   189   1   8ag, Vinyl - 7" x 10"   31174   189   2   Grip, Handle, Yellow   19074   190   3   Washer, #10, Flat, Auto BK   11541   190   3   Washer, #10, Flat, Auto BK   11541   190   3   Washer, #10, Flat, Auto BK   19074   191   1   Outer Barrier, 33"   975-0312NY   100   2   Spring, Dampener, Retract   26963   192   1   Platform Weldment Fixed Inner   975-03351NW   101   2   Bolt, 5/16-18 x 1 1/4" Low Socket Hd., Cap, Bk.   26327   193   1   Shim, Bracket, Hanger, Hand Pendant   33216   103   2   Screw, 1/2-20 x 1 1/2" Set Lock, Black   18663   195   2   Bolt, Carriage, 1/2-20 x 1 1/2"   12777   12777   194   2   Block, Guide-Platform Stow   28593   196   2   Clamp, Cable, 1/2", Plastic   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072   107072    |     |    |                                                     |                 |     |     |                                                   |             |
| 95         2         Bearing, UHMW, Flat, 1.226"         205-1760         187         2         Pin, Bearing, Platform Slide         975-2360           96         2         Ball Stud, 10MM         21301         188         2         Nut, #10-32 w/Lockwasher         18349           97         1         Vertical Channel Weldment, Rear         975-0448RNW         189         1         Bag, Vinyl - 7' x 10"         31174           98         6         Plastic End Cap, 1" I.D. x 11/4" O.D.         20474         190         3         Washer, #10, Flat, Auto BK         11541           100         2         Spring, Dampener, Retract         26963         191         1         Outer Barrier, 33"         975-0351NW           101         2         Bolt, 5/16-18 x 1 1/4" Low Socket Hd., Cap, Bk.         26937         192         1         Platform Weldment Fixed Inner         975-03351NW           102         2         Bumper, .75"x. 625" Long         915-0391         194         1         Bracket, Hanger, Hand Pendant         33216           103         2         Screw, 1/2-20 x 1 1/2" Set Lock, Black         18663         195         2         Bolt, Carriage, 1/2-20 x 1/2"         12777           104         2         Block, Guide-Platform Stow         28593 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>2</td><td></td><td></td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |    |                                                     |                 |     | 2   |                                                   |             |
| 96         2         Ball Stud, 10MM         21301         188         2         Nut, #10-32 w/Lockwasher         18349           97         1         Vertical Channel Weldment, Rear         975-0448RW         189         1         Bag, Vinyl, -7" x 10"         31174           98         6         Plastic End Cap, 1", LD, x 1 1/4" O.D.         20474         190         3         Washer, #10, Flat, Auto BK         11541           99         2         Girp, Handle, Yellow         19074         191         1         Outer Barrier, 33"         975-0351           100         2         Spring, Dampener, Retract         26963         192         1         Platform Weldment Fixed Inner         975-03351NW           101         2         Bolt, 5/16-18 x 1 1/4" Low Socket Hd., Cap, Bk.         26963         192         1         Platform Weldment Fixed Inner         975-03351NW           101         2         Bolt, 5/16-18 x 1 1/4" Low Socket Hd., Cap, Bk.         26963         193         1         Shim, Bracket, Hanger, Hand Pendant         33216           102         2         Burper, 75%. 625° Long         915-0391         194         1         Bracket, Hanger, Hand Pendant         33215           103         2         Screw, 1/2-20 x 1 1/2" Set Lock, Black         1866                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |    | ning, onap, 5/4", External                          | 1005/           |     |     |                                                   |             |
| 97         1         Vertical Channel Weldment, Rear         975-0448RNW         189         1         Bag, Vinyl - 7" x 10"         31174           98         6         Plastic End Cap, 1" I.D. x 1 1/4" O.D.         20474         190         3         Washer, #10, Flat, Auto BK         11541           99         2         Grip, Handle, Yellow         19074         191         1         Outer Barrier, 33"         975-0312NY           100         2         Spring, Dampener, Retract         26963         192         1         Platform Weldment Fixed Inner         975-0335NW           101         2         Bolt, 5f6-18 x 1 1/4" Low Socket Hd., Cap, Bk.         26963         192         1         Platform Weldment Fixed Inner         975-0335NW           102         2         Bumper, .75"x. 625" Long         915-0391         194         1         Bracket, Hanger, Hand Pendant         33216           103         2         Screw, 172-20 x 1 12" Set Lock, Black         18663         195         2         Bolt, Carriage, 172-20 x 1/2"         12777           104         2         Block, Guide-Platform Stow         28593         196         2         Clamp, Cable, 172", Plastic         10092                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 95  |    | Dearing, UHMW, Flat, 1.226"                         |                 |     |     |                                                   |             |
| 98         6         Plastic End Cap, 1" I.D. x 1 1/4" O.D.         20474         190         3         Washer, #10, Flat, Auto BK         11541           99         2         Girp, Handle, Yellow         19074         191         1         Outer Barrier, 33"         975-03351NW           100         2         Spring, Dampener, Retract         26963         192         1         Platform Weldment Fixed Inner         975-03351NW           101         2         Bolt, 5/16-18 x 1 1/4" Low Socket Hd., Cap, Bk.         26963         192         1         Platform Weldment Fixed Inner         975-03351NW           102         2         Burper, 75%. 625° Long         915-0391         194         1         Bracket, Hanger, Hand Pendant         33216           103         2         Screw, 1/2-20 x 1 1/2" Set Lock, Black         18663         195         2         Bolt, Carriage, 1/2-20 x 1/2"         12777           104         2         Block, Guide-Platform Stow         28593         196         2         Clamp, Cable, 1/2", Plastic         10092                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |    | Dali Stud, 10MM                                     |                 |     |     | Nut, #10-32 w/Lockwasher                          |             |
| 99         2         Grip, Handle, Yellow         19074         191         1         Outer Barrier, 33"         975-0312NY           100         2         Spring, Dampener, Retract         26963         192         1         Platform Weldment Fixed Inner         975-0315NW           101         2         Bolt, 5/16-18 x 1 1/4" Low Socket Hd., Cap, Bk.         26327         193         1         Shim, Bracket, Hanger, Hand Pendant         33216           102         2         Bumper, 75"k, 625" Long         915-0391         194         1         Bracket, Hanger, Hand Pendant         33215           103         2         Screw, 1/2-20 x 1 1/2" Set Lock, Black         18663         195         2         Bolt, Carriage, 1/2-20 x 1/2"         12777           104         2         Block, Guide-Platform Stow         28593         196         2         Clamp, Cable, 1/2", Plastic         10092                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |    |                                                     | 9/5-0448RNW     |     |     | Bag, vinyl - /" x 10"                             |             |
| 100         2         Spring, Dampener, Retract         26963         192         1         Platform Weldment Fixed Inner         975-03351MV           101         2         Bolt, 5/16-18 x 1 1/4* Low Socket Hd., Cap, Bk.         26327         193         1         Shim, Bracket, Hanger, Hand Pendant         33216           102         2         Bumper, 75"x. 625" Long         915-0391         194         1         Bracket, Hanger, Hand Pendant         33215           103         2         Screw, 1/2-20 x 1 1/2" Set Lock, Black         18663         195         2         Bolt, Carriage, 1/2-20 x 1 1/2"         12777           104         2         Block, Guide-Platform Stow         28593         196         2         Clamp, Cable, 1/2", Plastic         10092                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |    |                                                     |                 |     |     |                                                   | 11541       |
| 101         2         Bolt, 5/16-18 x 1 1/4" Low Socket Hd., Cap, Bk.         26327         193         1         Shim, Bracket, Hanger, Hand Pendant         33216           102         2         Bumper, .75"x. 625" Long         915-0391         194         1         Bracket, Hanger, Hand Pendant         33215           103         2         Screw, 1/2-20 x 1/2" Set Lock, Black         1863         195         2         Bolt, Carriage, 1/2-20 x 1/2"         12777           104         2         Block, Guide-Platform Stow         28593         196         2         Clamp, Cable, 1/2", Plastic         10092                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |    |                                                     |                 |     |     |                                                   | 975-0312NY  |
| 102         2         Bumper, 75%, 625" Long         915-0391         194         1         Bracket, Hanger, Hand Pendant         33215           103         2         Screw, 1/2-20 x 1/2" Set Lock, Black         18663         195         2         Blot, Carriage, 1/2-20 x 1/2"         12777           104         2         Block, Guide-Platform Stow         28593         196         2         Clamp, Cable, 1/2", Plastic         10092                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |    | Spring, Dampener, Retract                           |                 |     |     |                                                   |             |
| 103         2         Screw, 1/2-20 x 1 1/2" Set Lock, Black         18663         195         2         Bolt, Carriage, 1/2-20 x 1/2"         12777           104         2         Block, Guide-Platform Stow         28593         196         2         Clamp, Cable, 1/2", Plastic         10092                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |    |                                                     |                 |     |     |                                                   |             |
| 104         2         Block, Guide-Platform Stow         28593         196         2         Clamp, Cable, 1/2", Plastic         10092                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |    |                                                     |                 |     |     |                                                   |             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |    |                                                     |                 |     |     |                                                   |             |
| 105 2   Pin, Platform 975-2325                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |     |    |                                                     |                 | 196 | 2   | Clamp, Cable, 1/2", Plastic                       | 10092       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 105 | 2  | Pin, Platform                                       | 975-2325        |     |     |                                                   |             |

# **Exploded View**



# Series Exploded View

## **NOTES**

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# "Providing Access to the World"



# Over 300 Braun Dealers Worldwide



# Public Use Wheelchair Lifts

#### Braun<sup>™</sup> Five-Year Limited Warranty

The Braun Corporation of Winamac, Indiana, warrants that it will repair (or replace at Braun's sole option) any defect in material or workmanship in its wheelchair lift for five years\*, providing the lift is installed, operated and maintained properly. This warranty is limited to the original purchaser and does not cover defects in the motor vehicle on which it is installed, or defects in the lift caused by a defect in any part of the motor vehicle.

This warranty commences on the date the lift is put in service, providing the warranty registration card is completed and received by The Braun Corporation within 20 days of purchase. If no warranty card is received, the warranty will expire three years from the date of manufacture as identified on the lift serial number tag.

This warranty also covers the cost of labor for the repair (or replacement at Braun's sole option) of parts for three years when performed by an authorized Braun representative. (A labor schedule determines cost allowance for repairs and is available upon request).

This warranty does not cover normal maintenance, service, or periodic adjustments necessitated by use or wear. The Braun Corporation will not, under any circumstances, pay for loss of use, incidental, or consequential damages related to the lift or vehicle in which it is installed.

This warranty will become null and void if the lift has been damaged through accident, misuse, or neglect, or if the lift has been altered in any respect.

- \* The five-year portion of this warranty covers the following lift's power train parts:
- Cable Cylinder Flow Control Gear Box Motor Pump Hydraulic Hose & Fittings
- Solid State Controller

All remaining lift components are covered by a three-year warranty.

#### **Return Authorization Procedure**

When processing any warranty claims (parts, repairs, etc.), all requests must be processed through The Braun Corporation Product Support Department. Call 1-800-THE LIFT® during normal working hours. Product Support will issue a Return Material Authorization (RMA) number and detail the procedures required for processing returns and/or authorizing credit.

The lift identification information is provided on the Braun Serial No./Series No. identification tag and the two warranty cards (shown on inside front cover). The lift identification information must be provided when filing a warranty claim or ordering parts.

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All illustrations, descriptions and specifications in this manual are based on the latest product information available at the time of publication. The Braun Corporation reserves the right to make changes at any time without notice.